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The Husson University Catalog for the 2016-2017 academic year provides a wealth of information for existing and prospective students, their families, and the University community. The reader will find useful information relating to Admissions, Financial Aid, and Student Affairs. In addition, the Catalog provides program requirements and course lists relevant for students entering during the 2016-2017 academic year. Though the University and its academic departments reserve the right to modify degree program requirements and courses so as to enhance educational outcomes, degree requirements noted herein represent the expected course of study and academic policies that will apply to students throughout their academic career at Husson so long as they remain within their chosen discipline of study.

Husson University faculty, staff, and administration feel privileged to foster the intellectual and personal development of students who enter our programs. We hope that the Husson University Catalog for the 2016-2017 academic year provides you with clear and sufficient information of our programs of study and policies. We are grateful for the opportunity to serve you and welcome any questions you might have.
New England Association of Schools and Colleges, Inc. (NEASC)
http://www.neasc.org/

Husson University is accredited by the New England Association of Schools and Colleges, Inc. through its Commission on Institutions of Higher Education. Accreditation of an institution of higher education by the New England Association indicates that it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer review process. An accredited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the New England Association of Schools and Colleges, Inc. is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered, or of the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding the accreditation status by the New England Association of Schools and Colleges, Inc. should be directed to the administrative staff of the institution. Individuals may also contact:

Commission on Institutions of Higher Education
New England Association of Schools and Colleges, Inc.
209 Burlington Road, Suite 201
Bedford, MA 01730-1433
(781) 271-0022
E-Mail: cihe@neasc.org

International Assembly for Collegiate Business Education (IACBE)
http://www.iacbe.org/

Husson University has received specialized accreditation for its business programs through the International Assembly for Collegiate Business Education (IACBE), www.iacbe.org, located at 11374 Strang Line Road, Lenexa, Kansas 66215. The business programs in the following degrees are accredited by the IACBE:

- Master of Business Administration - General
- Master of Business Administration - All concentrations - (Healthcare Management, Hospitality Management) and Organizational Management
- Bachelor of Science in Accounting
- Bachelor of Science in Accounting/Computer Information Systems
- Bachelor of Science in Business Administration with concentrations in:
  - Business Administration (General)
- Bachelor of Science in Hospitality and Tourism Management (General and All Concentrations) - Small Business and Entrepreneurship, Sales and Marketing
- Bachelor of Science in Sport Management

Public Disclosure documents regarding each of these programs can be found at http://www.husson.edu/accreditation

Commission on Collegiate Nursing Education (CCNE)
http://www.aacn.nche.edu/accreditation/

The School of Nursing programs are accredited by the Commission on Collegiate Nursing Education, One Dupont Circle, NW, Suite 530, Washington, DC 20036, (202) 887-6791, http://www.aacn.nche.edu/accreditation/. The BSN program is approved by the Maine State Board of Nursing <http://www.maine.gov/boardofnursing/>.

Accreditation Council for Occupational Therapy Education (ACOTE)

The Accreditation Council for Occupational Therapy Education (ACOTE®) is recognized as the accrediting agency for the American Occupational Therapy Association (AOTA). AOTA and ACOTE can be contacted at 4720 Montgomery Lane, Suite 200, Bethesda Maryland 20824-3449. ACOTE’s telephone number c/o AOTA’s is (301) 652 AOTA (6611) and the web address for ACOTE is: http://www.aota.org/education-careers/accreditation.aspx

Commission on Accreditation in Physical Therapy Education (CAPTE)
http://www.capteonline.org

The Doctor of Physical Therapy Program in the School of Physical Therapy, College of Health and Education, is fully accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE). Information about CAPTE and the accreditation process is available through the American Physical Therapy Association website at www.capteonline.org. CAPTE can also be contacted at 1111 North Fairfax Street, Alexandria, VA 22314, by email at accreditation@apta.org or by phone at 703.706.3245.

Accreditation Council for Pharmacy Education (ACPE)

Husson University School of Pharmacy’s Doctor of Pharmacy program is accredited by the Accreditation Council for Pharmacy Education, 135 South LaSalle Street, Suite 4100, Chicago, IL 60503, 312/664-3575; FAX 312/664-4652
Website: www.acpe-accredit.org (http://www.acpe-accredit.org)

Maine Department of Education
http://maine.gov/education/

The School Counseling and Teacher Education programs in the School of Education are approved by the State of Maine Department of Education.
**National Board for Certified Counselors**
http://www.nbcc.org/

The Masters programs in Clinical Mental Health and School Counseling are approved by the National Board for Certified Counselors to provide continuing professional education and development.

**Council for Accreditation of Counseling and Related Educational Program (CACREP)**

The Council for Accreditation of Counseling and Related Educational Program (CACREP), a specialized accrediting body recognized by the Council for Higher Education Accreditation (CHEA), has conferred accreditation to the following program areas in the Counseling and Human Relations program at Husson University: Master of Science (M.S.) in Clinical Mental Health Counseling and Master of Science in School Counseling.
SUPPLEMENTS TO THIS CATALOG

Husson University reserves the right to change, at any time without notice, the policies, procedures, tuition and fees, curriculum, program requirements and all other contents of this catalog. The Husson University catalog does not constitute an express or implied contract, nor does it establish the express or implied authority of those listed herein. In addition, it is not intended for the language of the catalog to limit reasonable actions the University may take in responding to matters relating to students, faculty, or staff. The catalog is offered only as information. It is the responsibility of persons relying on this catalog to confirm with the appropriate Husson University official that any provision herein is applicable.

Husson University is committed to maintaining an environment that is free from unlawful harassment and discrimination of all kinds and will not tolerate discrimination against or harassment of any individual or group based upon race, color, religion, national origin, sex, sexual orientation, age, disability, citizenship, or veteran status in matters of admissions, employment, housing, or services or in the educational programs or activities it operates, or any factor that is a prohibited consideration under applicable law. The University operates its programs so that, when viewed as a whole, they are accessible to handicapped persons. It is Husson’s policy to ensure that no qualified student with a disability is denied the benefits of, excluded from participation in, or otherwise subjected to discrimination in any University program or activity. Any concerns regarding compliance with non-discrimination laws should be directed to:

Human Resources Officer
Husson University
One College Circle
Bangor, ME 04401
Telephone: 207-941-7131
Fax: 207-941-7905
HUSSON UNIVERSITY

Founded in 1898, Husson became a University in October of 2008, having evolved from a small proprietary school to an accredited independent institution offering undergraduate programs in business, education, health, communications, and science and humanities, graduate programs in business, nursing, occupational therapy, criminal justice administration, counseling psychology, education, school counseling, and first professional doctoral programs in pharmacy and physical therapy. The undergraduate student body has grown to over two thousand day students and one thousand graduate and evening students on the campus in Bangor and at extended learning centers in Westbrook, Presque Isle, and Wells, Maine. In addition, the campus is home to international students who come to Husson from all parts of the world. Husson graduates have achieved success in a wide variety of professional positions in Maine and throughout the world.

The Eastern Maine Medical Center School of Nursing, founded in 1892, merged with Husson University and became the origins of the School of Health. In 1997, Husson purchased the New England School of Communications, which was a wholly-owned subsidiary of the University with separate accreditation and degree granting authority until 2014 when it merged with Husson becoming a school within the University.

Vision

Husson will be a University of choice for premier professional programs where students succeed, experiential learning is championed and global engagement is emphasized.

Mission Statement

Husson University inspires and prepares students for professional careers in current and emerging fields within the context of an education informed by the sciences and humanities.

We achieve this career preparation by supporting and emphasizing

• Outstanding teaching.
• Scholarly contributions to one’s discipline or field of expertise.
• An undergraduate and graduate curriculum that is challenging, relevant, and promotes critical thinking skills, self-confidence and strong communication skills.
• Commitment to ethical behavior and social responsibility through involvement in the world by faculty and students, administrators and staff, board members, and involved citizenship as a university.
• Lifelong learning to prepare students professionally and personally for the challenges of a constantly changing world.
• A diverse cultural and global perspective achieved through student development and experiential learning opportunities that reinforces our commitment to a strong academic community.
• Careful management and stewardship of University resources.

The Campus

Husson’s approximately 200 acre campus is situated on a wooded hillside that is only a short walk away from a shopping center and two miles from the business district of the city of Bangor, Maine (population 36,000). Most points in the city are accessible by public transportation from the campus, and Bangor is the home to the second largest public library in New England, and the oldest continuous community symphony orchestra in the country. The population of greater Bangor is approximately 100,000.

Campus amenities include three residence halls with single and double rooms all equipped with cable TV and internet access via data port and wireless systems. The Darling Learning Center combines experiential learning classroom space and administrative offices on the first floor with four additional floors of suite style residential accommodations. The newly renovated dining center provides a healthy dining experience with options that satisfy a variety of tastes and needs. The center offers flexible meal plans. Academic amenities include science and networked microcomputer labs, library and conference rooms as well as an arboretum, an athletic complex that includes the Swan Fitness Center and a 6-lane competition-size pool. The George E. Wildey Communications Center is home to the New England School of Communications (NESCom) and houses the radio station and television, recording and production studios. The Richard E. Dyke Center for Family Business serves as an interface between the University and Bangor business community. The campus includes four academic and administrative buildings. Peabody Hall hosts the College of Business and the School of Pharmacy. The O’Donnell Commons houses the health programs in the College of Health and Education. The Education programs of the College are located in the Darling Learning Center. The Meeting House hosts the College of Science and Humanities, executive administration, as well as the Gracie Theater, a state-of-the-art 500 seat auditorium. Peabody Hall also offers a bookstore and a campus center that houses an art gallery, chapel, and dining and performance areas for the Husson community as well as the Furman Center that serves as a center for student activities and recreation.

Husson is located near some of the finest recreational opportunities in Maine. The Kenduskeag Stream is a five-minute walk from campus. Excellent skiing and hiking trails are nearby, and the campus is only an hour away from the great Maine woods, the rockbound coast and Acadia National Park.

The Sawyer Library

The W. Tom and Bonnie Sawyer Library provides physical and online informational resources that support curricular as well as research activities. The Library acquires materials that complement the degree programs and reflect the interests of the University. These include introductory, practical, professional, and theoretical materials. Books and journals for recreational reading and for personal growth are also part of the collection. In addition, the Library maintains modest collections of federal and state documents, company annual reports, and pamphlets.

Online resources are a critical component of the Library’s collection. The Library has online resources to support all the degree programs, and these include a variety of full-text databases and journal indexes. Information about the Library’s resources, and its online catalog, is accessible from the Library’s Internet home page. Follow links to the Library from the University’s home page at http://www.husson.edu/.

Sawyer Library belongs to a consortium of over fifty public and academic libraries in Maine. Students may borrow materials from these libraries, and from other Maine libraries. Students also have access to local libraries, including Bangor Public Library, Parrot Health Science Library at Eastern Maine Medical Center, and Fogler Library at the University of Maine. The Library is open seven days a week during the academic year and offers a quiet environment which is conducive to learning and studying.
**Information Resources**

The Information Resources Office is responsible for designing, implementing and maintaining Husson’s computer and technology systems and facilitating the use of these systems by the Husson Community. It also manages the computer labs, campus email, Husson’s Ethernet and telecommunications network and various Web and file servers. The University has five computer labs in Bangor, and two at our South Portland site. The University operates one networked lab 24-hours of each day for continuous student access.

All students have access to their own campus email address, server storage and personalized Web portal for viewing grades and registering for classes. Public computer kiosks are available for access to email and to the World Wide Web, and each residence hall is equipped with copper and wireless access to the Internet.

**Collaborations and Locations**

Husson University offers degree programs at offsite locations and closely collaborates with other educational initiatives including:

**New England School of Communications**

The New England School of Communications (NESCom), was a wholly owned subsidiary of Husson until 2014 when it merged with the University to become its fifth school or college under the leadership of a Dean. Up until the merger NESCom was accredited by the Accrediting Commission of Career Schools and Colleges. It is now under the umbrella of accreditation afforded to Husson University by the New England Association of Schools and Colleges (NEASC).

**University of Fredericton**

A close collaboration with the University of Fredericton in New Brunswick, Canada affords the opportunity for Canadian citizens who obtain their diploma from a Canadian Public Community College to complete a baccalaureate degree from Husson University in an abbreviated period of time through online course offerings.

**Offsite Locations**

Husson University actively promotes educational opportunities throughout the State through its offsite locations. Extended learning communities are found in centrally located areas in Westbrook, Presque Isle, and Wells, Maine.
The following pages provide information regarding important policies and procedures that are designed to guide, explain, and enhance the experience of student members of the Husson University community.

**Student Affairs**

**Student Services**

**OASIS: The Center for Student Success**

**Academic Services**

Academic Services provides guidance and advising for students who have not yet declared a major program of study and for students who are between majors. It is also a resource for students in need of assistance with study skills, tutoring, time management and other types of academic assistance. Academic Services staff collaborate with faculty to identify and support the academic progress of students as they utilize early intervention strategies to support the students’ academic and social needs.

Academic Services also manages the Learning Center which provides peer and faculty tutors in most General Education math and science courses as well as psychology and Spanish courses. Tutoring for different courses is added as determined by student needs. Supplemental Instructors are also offered for several General Education science courses. Additionally, the Writing Center is co-located with the Learning Center. Writing Center consultants provide assistance for both graduate and undergraduate students in all types of writing. Fully online students may schedule a tutoring appointment with either a Learning Center or Writing Center tutor utilizing Google Hang Outs by emailing either:

learningcenter@husson.edu

writingcenter@husson.edu

Husson University’s freshman seminar course, the Husson Experience, HE 111, is developed and coordinated through Academic Services. A one-credit, graded requirement of all traditional-age, first-semester students, it focuses on developmental tasks that enhance student persistence and success. These tasks include academic and social assimilation, critical thinking, financial literacy, interpersonal responsibility and self-reliance. Academic major and career exploration are significant parts of the course. The course meets once a week during the first semester and is taught by full time faculty and OASIS staff. The first class session of the Husson Experience meets the first day of Welcome Weekend to prepare students to successfully begin their first semester.

**Career Services**

Career Services supports Husson students and alumni in all aspects of career exploration and professional development. Career Services staff provide a comprehensive array of vocational resources and assistance designed to address student’s needs at every stage of their college and professional development including career counseling, choosing a major, internships, graduate school applications, professional networking and etiquette, resume and cover letter development, job search strategies and interviewing techniques. Career Services maintains a comprehensive website and several social media platforms offering a number of tools designed to support students and alumni with vocational self-assessment, career information, and job search resources. They also maintain a database of current job and internship postings.

**Disability Services**

Husson University is committed to providing reasonable accommodations to otherwise qualified students with documented, qualifying disabilities. Accommodations are provided and supported through the OASIS office. Information regarding where to access support is provided to all incoming students and their parents during New Student Orientation days and in letters sent by the Admissions Office. Returning students who receive support for disabilities are sent reminders of the need to meet and update their accommodation plans at the start of each semester. In order for Husson to provide reasonable accommodations, students must provide documentation of a disability and request accommodations; submission of documentation alone does not establish an accommodation plan. The Disability Services office will review documentation and work with the student to assure an appropriate accommodation plan.

**International Student Services**

Husson University supports a growing population of international students who will find a full complement of support and advocacy services within the OASIS office. OASIS’s Student Success Advisor (SSA) for international students will facilitate connections with tutoring services and immigration/Visa services as well as acting as academic advisor for students until they have determined their program of study. The SSA directs EAGLE-Week—a week-long orientation for all international students—and will facilitate the connection of each international student with his/her peer mentor. The SSA is also committed to supporting the transition needs of all international students.

**New Student Orientations**

Each summer, New Student Orientation days are offered through OASIS. These student orientations are intended to provide incoming students and their parents with the information they need to successfully transition to higher education. Programming strands for parents and students throughout the day introduce them to a variety of campus departments and staff who provide many types of student services and supports. Information is provided on academic protocols and procedures, athletics, purchasing textbooks, class schedules and student life on campus to name just a few areas. Students have the opportunity to meet with an advisor in their respective college/school (College of Business, School of Science & Humanities, College of Health & Education, New England School of Communications), to have their photo taken for their student ID, and to see a room in the residence halls. Over 90% of incoming students have historically participated in New Student Orientation days. For those students unable to attend one of these New Student Orientation days, or who are accepted into the University after these dates have passed, many orientation activities are available during Welcome Weekend, and OASIS staff are also available for assistance on an individual basis.

**Office of Student Life:**

**Dean of Student Life**

The Office of Student Life is charged with providing a variety of activities and services that enhance and extend a student’s educational experience at Husson University. The Office is responsible for the overall engagement of students through purposeful and innovative programs that foster a sense of community, both in our residential commons and
for our commuter student population; endeavors to create a sense of well-being — physically, emotionally, and spiritually — through our direct services to students; works to maintain an atmosphere of civility through our educational-based Student Conduct Code and community standards; and, provides educational trainings to student leaders, the general student body, and partners across the curriculum and co-curriculum to make the Husson experience a positive environment for all to live, learn, and engage with.

Welcome Weekend

Husson’s Student Life office hosts Welcome Weekends each fall when students return to campus for the start of the semester. The first day of Welcome Weekend is for new students only and is dedicated to helping them become acclimated to the start of the school year. After moving into the residence halls, students and parents jointly attend a welcome barbecue. Later, students are provided opportunities to meet with advisors and assemble in their first Husson Experience class which provides instructions the opportunity to welcome students to campus, to assist them in meeting other students on their first day on campus, and to answer any questions they might have about academic protocols and expectations.

Throughout the weekend the planned social activities help students to get to know each other, learn their way around campus, and get ready to begin classes.

Student and Community Standards

Husson University’s Student Conduct Code is administered by the Office of Student Life and is designed to create a civil, educational, and positive environment for students to live, study, and succeed in.

Husson University’s mission is to inspire and prepare students for professional careers. This endeavor includes a commitment to ethical and social responsibility. Students associated with Husson University are charged to be good citizens and foster a positive living and learning environment. The Student Conduct Code provides the framework for student behavior within which students are expected to live while a student at Husson University. Adherence to the Student Conduct Code is expected as a student voluntarily associates themselves with the institution. The Husson University Student Conduct Code is published on the University’s website.

Commuter Student Services

The Office of Student Life provides services and guidance to commuter students with whatever questions or concerns they might have. In partnership with Student Activities, Community and Student Engagement, Counseling and Health Services, our staff is ready to help.

Our signature commuter program is the Commuter Assistants (CAs) program. Each incoming commuter student is assigned a CA, an experienced student leader who knows the campus well, excels academically and is active in the campus community. CAs strive to be a resource and to assist commuters with the transition to the University. They encourage participation in campus clubs and organizations and often will accompany incoming students to University-sponsored events.

Student Government

The Student Government serves to represent the best interests of the student body and acts as a liaison to the University. Students can serve on the Student Government as Senators or Executive Board Members. Elections for these positions are conducted in the fall and spring semesters respectively.

Clubs & Organizations

Over 50 student clubs and organizations exist on the Husson University campus. These groups are student driven and supported by Student Government. Student clubs and organizations provide engagement opportunities in the areas of service, professional development, recreation, fraternal societies and academics. A current list of student clubs and organizations can be found on the University’s web site.

Campus Chaplain

Husson University recognizes that its primary mission of providing an excellent educational program impacts the total life experience of its students. An integral part of that life experience is a person’s spirituality and Husson is committed to addressing the spiritual needs of its students. The University’s Chaplain is available to students for spiritual counseling on a one-to-one basis by appointment. Additionally, the Chaplain is responsible for establishing a campus ministry program that is open to all students. The types of programs vary but may include activities such as prayer services, Bible study, focus groups and spirituality development groups.

Community and Student Engagement

The Office of Community and Student Engagement (CASE) provides opportunities for student to engage in community-building volunteer activities. Through the database of not-for-profits, individual students or student clubs and organizations can discover the multitude of opportunities, both local and international, to serve their community and prepare for effective citizenship. The Office provides information for the development and implementation of service-learning/community-based learning opportunities, community partner building and advocacy. Currently we offer specific opportunities such as Big Brother/Big Sister Clubs, Boys and Girls Club of America for Husson students who work to mentor youth in our communities, and the Commuter Assistant program for upper-class students to work with incoming Husson Students.

Counseling Services

The primary mission of Husson’s Counseling Services Center (CSC) is to assist students in their pursuit of success. In order to do this, counselors help students use their strengths and resources to overcome barriers and to develop new strategies to improve mood, relationships and performance.

The Counseling Services Center staff provides a number of services, including evaluation, personal coaching and performance enhancement, individual therapy, couples therapy, outreach, consultation and instruction. They also offer substance abuse programming and counseling for students who are concerned about their own alcohol or substance abuse, or that of others. This might include prevention, early intervention, assessment, education, individual and group counseling, and referral.

Students are eligible for free, time-limited counseling services from our licensed mental health professionals between the hours of 8:00 am and 4:00 pm Monday through Friday.

Residence Life

The Residence Life Staff strives to cultivate a living-learning environment where students can flourish within the structure and support of our
college community. It is our intent to challenge our students and provide opportunities through consistent and collaborative efforts so that they may reach their fullest potential. We embrace and support the development of a strong community that practices hospitality, embraces the concept of personal accountability, and nurtures a trusting and civil environment that celebrates the unique and diverse experiences of each student while acknowledging what binds us together. To this end, we strive to guide and mentor our students to become successful, contributing, and interdependent citizens of society.

The residential community is comprised of four residence halls – three traditional halls and one suite-style hall. The traditional halls (Bell, Carlisle, and Hart) are co-ed by floor, mostly double rooms, with a mixture of freshmen to seniors, and shared bathroom on each floor. Every room comes with the following furnishings for each student: desk, chair, dresser, wardrobe, bunkable/stackable bed (in most cases), and mattress. Furthermore, each room is equipped with a cable TV outlet and access to wireless internet as well as the use of a hard-wired data port. One Micro-Chill® is provided for each room. All housing contracts include a board plan.

The suite-style residence hall (Living Learning Center, located on the upper four floors of the Darling Learning Center) accommodates up to four students in a suite. Each suite has two bedrooms (two students in each), living room, private bath and vanity area, and electronic locks on the suite entrance as well as individual bedrooms. The bedroom furniture, as well as cable TV and internet, are the same as the traditional halls. The living room furniture includes a sectional sofa and a hard topped ottoman. One Micro-Chill® is provided for each bedroom in the suite. All housing contracts include a board plan. There are no appliances in the suite.

All full time, first and second year undergraduate day students of Husson University are required to reside in on-campus housing unless they are married or commuting from their parent(s)/legal guardian(s) address within a specified distance from the University. Housing contracts are for the full academic year.

Student Activities

Husson University’s Student Activities Office works to enhance the student life experience by providing a wide variety of activities and programs to engage and enrich the campus community. Programming provides social, educational and cultural opportunities. Activities are held both on and off campus and are available free or at reduced fees to students. Students are encouraged to be actively involved with the Student Activities Office by serving on programming advisory boards or working in the office in a work study position. Current Student Activities Programs can be found on Facebook, Twitter, and Instagram (@HussonSA).

Student Health Services

The mission of the Student Health Center is to enhance the academic environment of Husson by providing quality health care, health education and preventative services to students in a caring, cost-effective and convenient manner. The Student Health Center is staffed with health care professionals that focus on student wellness. The Student Health Center is open Monday through Friday for walk-in care; see the Student Health Services website for hours. Services include general medical care, emergent care, preventative care, some lab services and allergy shots. There is no charge for any examination or consultation in the health center and services are available to both resident and commuter students.

Immunization

Maine State Law (22-MRSA§6359) amendment 10:144 DHHS requires post-secondary students born after 1956 to show proof of immunization against measles, mumps, rubella, tetanus and diphtheria. This applies to all full-time students and all part-time students who are seeking a degree. Specific University programs (usually those in health care fields) may require additional immunizations and documentation.

Student Insurance

All full-time students are required to have some form of accident and sickness insurance coverage. Husson University makes available to its students a Student Health Insurance Plan with the following provisions and limitations:

- Undergraduate students with 9 or more credits, excluding non-Bangor campuses and online.
- Graduate students with full time equivalency of 6 credits or more, excluding non-Bangor campuses and online.
- The Student Health Insurance Plan is not offered to Extended Learning Students.

Students already insured by another plan are exempt from this requirement upon proof of insurance coverage that is usable in the State of Maine.

Other Campus Services:

Dining Services

Husson University Dining Services welcomes you to the renovated Dickerman Dining Center where you will find culinary professionals committed to providing you with a quality dining experience. We serve a wide variety of foods designed to meet the needs of a diverse university community. In addition to meal plans for resident students, dining dollars and commuter meal plans are available and may be purchased in the Dining Services office located in the Dickerman Dining Center.

Cressy Marketplace located next to the Campus Center on the lower level of Peabody Hall provides deli style sandwiches, fresh beef burgers, and daily specials that are popular with our students. Excellent coffee, an assortment of cold beverages, packaged snacks, as well as, fresh fruit and other healthy food and snack options are always available. Open late nights and weekends.

Willey’s Café located next to the Furman Student Center specializes in Gevalia coffee and espresso drinks and our very popular, house-made Panini sandwiches. Check out our selection of pastries for that perfect sweet treat.

Athletics and Recreation

The Athletic and Recreation facilities include the Newman Athletic Complex that has basketball and volleyball courts, a 25-yard, 6-lane competitive swimming pool, a strength-training room, and a dance studio. The Swan Fitness Center has cardiovascular machines, weight machines, free weights, televisions and a sound system, and also houses the Kenduskeag Institute Research Laboratory and athletic trainer facilities. The Husson outdoor athletic and recreation facilities include the Winkin
Sports Complex with the Harold Alfond Diamond, the Boucher Soccer Pitch, the O’Keefe Softball Field, tennis courts and practice fields.

The University offers an extensive intramural, recreational and intercollegiate sports program for both men and women. The men’s and women’s intercollegiate programs conform to and hold memberships in the National Collegiate Athletic Association, Division III (NCAA) and the North Atlantic Conference (NAC). Men’s intercollegiate competition includes soccer, football, basketball, baseball, lacrosse, cross country and golf. Women’s competition includes volleyball, soccer, basketball, softball, swimming, lacrosse, field hockey, cross country, indoor track and outdoor track.

Intramural sports play a large part in satisfying the recreational needs of the University community. Many students compete in basketball, swimming, volleyball, tennis, softball, soccer, floor hockey and flag football, just to name a few. Husson campus facilities also provide many opportunities for informal recreation like the new W.T. Gardner & Sons Recreation area.

**Bookstore**
The Mary McDonald Bookstore is located in the lower level of 107 Peabody Hall and is operated by Follett Higher Education Group. The bookstore stocks course materials required in all programs of study at the University. They also offer a wide variety of school supplies, reference books, technology accessories, and an exclusive line of Husson University apparel and gifts.

Textbooks can be purchased or rented through their website at http://www.hussonshop.com/. You can also purchase select University apparel, gifts and school supplies or view current store hours and events on their website. Contact the bookstore directly at 207.947.2270, campus ext. 7114 or via email at bookstore@husson.edu.

**Student Employment**
The Student Employment Office, 105 Peabody Hall, offers student employment opportunities associated with the institution. Many of these positions require a work study award from financial aid, though some other opportunities are available. Student employment on campus provides direct experiential learning to our student body. Job postings are available through the Husson University Goggle site (https://sites.google.com/a/husson.edu/student-employment).

**Safety and Security Services**
Husson’s uniformed security officers provide 24/7 campus coverage. Our staff consists of 8 full time and 11 part time Security Officers, as well as one full time officer from the Bangor Police Department. We are committed to providing our faculty, staff, students, and guests with a safe and friendly environment both on and around our campus. Statistically, Maine is the second safest state in our nation. However, that’s not to say that crime never occurs here at Husson University. Husson, along with many other institutions of higher education is required to publish an annual report (http://www.husson.edu/jeanne-clery) which illustrates certain classes of crimes and fire safety statistics for our campus. We are confident that after reviewing our Jeanne Clery Act statistics, you will see that Husson is indeed a safe place to be.

Husson University is fortunate to have experienced so few crimes, but because crimes can and do occasionally occur on our campus, we strongly encourage a collaborative approach towards safety. We truly believe that we all share a responsibility in keeping our community a safe and enjoyable place to live and visit. Husson University is committed to achieving campus safety and security for all members and visitors of our community.

Our Safety & Security department offers POMCO (Piece of Mind Company) safety button devices that can connect a student directly to our services with a push of a button. Campus Safety & Security at Husson offers a “safe walk” escort service on campus for all members of the Husson community. The security department collaborates with Student Life to offer classes such as CPR, self-defense and other safety programs. For additional information please use the information on our website (http://www.husson.edu/security) and learn how to report criminal actions, prevent crimes, and practice responsible behavior. Husson University Safety & Security is located in 106 Peabody Hall and by phone at 207.941.7785 (http://catalog.husson.edu/generalinformation/studentaffairs/tel:207.941.7785)

**Admissions**
Husson University believes all individuals should have the opportunity to further their education. Undergraduate candidates approved for admission prior to fulfilling the requirement of high school or the equivalent thereof are accepted contingent upon successful completion of all academic work and the receipt of a final transcript of grades. The University reserves the right to refuse the acceptance of a degree candidate. Admission to the University or to particular programs may also be refused to applicants where academic record provides doubt as to the candidate’s ability to make reasonable academic progress. It invites applications from secondary school graduates or students having received a General Equivalency Diploma (GED) and qualified international students without regard to age, color, religion, sex, national origin, sexual orientation, level of family income, or physical ability. While the information below elaborates general policies for undergraduate admissions, candidates should refer to selected undergraduate and graduate programs for specific requirements on admittance.

When a student begins study at the University leading to a degree, he or she must meet the curriculum requirements in effect at that time. However, without prior notice, the University may at any time replace or update curricula and courses. All courses may not be offered during a given academic year. If a student should drop out of school for a calendar year (12-month period), he or she is obligated to meet any new curriculum requirements imposed by the University subsequent to the student’s initial enrollment. Nonattendance in summer school sessions does not constitute a break in enrollment.

Applicants for admission to Husson may receive guidance and assistance from the Admissions Office on the Husson campus. The Admissions Office provides materials to help applicants learn more about the University. They also invite applicants for personal interviews and campus tours.

**Application Information**
Husson University’s rolling admission program allows applications to be reviewed as soon as they are complete. Applications are accepted for consideration for September, January or May semesters. There is a $40 application fee. All applicants should have copies of their transcripts sent to the Admissions Office as soon as possible after applying for admission.

Admission is competitive and applicants to the first year of college study are admitted on the strength of their secondary school curriculum, grade-point average, class rank, counselor recommendations, and SAT
or ACT scores in relation to their intended major. Completion of college preparatory courses at the secondary level with a "C" or better, or its equivalent, is recommended. This includes four years of English, three years of math, two sciences, social studies, and other elective college preparatory courses.

Students whose high school transcripts show limited academic performance may be accepted on a conditional basis if they have a favorable recommendation from a high school guidance counselor or principal and show evidence of potential for success.

Transfer students are welcome and must present transcripts of their high school and college records. Transfer applicants should be in good academic standing and generally need a grade-point average of at least 2.0.

To be considered for admission, an applicant should do the following:

1. Complete and return the application form, available through the Admissions Office or on-line at www.husson.edu.
2. Submit an official high school transcript or GED scores.
3. Forward SAT or ACT scores
4. Forward to the Admissions Office official transcript(s) from any college(s) or university(s), which the applicant attended.
5. A letter of recommendation from guidance counselor, teacher or non-family member.

Applicants should also see their program for additional admissions information.

When the file is complete and all credentials are received, the Director of Admissions will notify the applicant by letter regarding her/his admissions status.

All incoming students for September are required to submit a $250 tuition deposit. This deposit is refundable until May 1, to all incoming high school seniors. Requests for the refund must be addressed to the Director of Admissions and be postmarked no later than May 1. Deposits received after May 1 or from non high school seniors are nonrefundable. The deposit will be applied to first term tuition charges.

Candidates for the spring or summer terms must also submit a $250 tuition deposit upon notification of acceptance to the University. The spring and summer term's deposit is nonrefundable. The deposit will be applied to first term tuition charges.

The priority application deadline for all health programs is January 1st for the fall term. Admission to most health programs is based on competitive comparison to other applicants for the same term, therefore applicants who meet the expressed minimum admission requirements are not necessarily guaranteed acceptance.

Prospective applicants are encouraged to become familiar with Husson University. Campus tours and open house programs provide candidates with an opportunity to visit the University and experience campus life. Visits may occur at other times, and personal interviews are recommended.

All correspondence concerning undergraduate admission should be addressed to:

Admissions Office
Husson University

1 College Circle
Bangor, ME 04401

Telephone: 207-941-7100 or 800-448-7766 (toll-free)
Email: admit@husson.edu (www.husson.edu)
Website: www.husson.edu

Readmission

Students who desire readmission must fill out and submit an Application for Readmission, which can be obtained from the Admissions Office or online at www.husson.edu.

The Director of Admissions will consider the application for readmission on the basis of space availability, program availability, and past academic performance. Upon review of the student’s request and examination of the required data, the student will be notified by letter of the decision regarding his/her readmission to the University.

Non-Degree Admissions

Space permitting, Husson allows students who do not have the intent of completing a degree at the University to enroll in a limited number of courses in any given semester. Such students may include those seeking to take a special course offering, those seeking professional recertification, or those who may need to take one or two courses as a prerequisite to further studies at other institutions. Students wishing to register for courses under this status must complete a Non-degree Admissions application and submit a $40.00 application fee. Please note that acceptance of admission for courses is contingent upon the availability of space and the demonstration that the applicant is appropriately qualified to take the particular offering.

Veterans

Admissions criteria for veterans include graduation from an approved senior high school or a high school equivalency certificate recognized by the applicant’s State Department of Education. Husson also accepts a General Educational Development Certificate administered under the United States Armed Forces Institute and subsequently recognized by the applicant’s State Department of Education. Veterans Administration paperwork for new students requires four to six weeks for processing.

The University may recognize applicable credit based on the American Council on Education’s Guide to the Evaluation of Educational Experience in the Armed Services. Interested applicants must provide a DD 214, a DD 295, AART, SMART, JST, and/or other appropriate credentials for evaluation.

International Students

Husson University welcomes international students who meet all established University admission criteria. Since admission requirements vary among areas of study, applicants are advised to read carefully the criteria for their program of choice (see program descriptions at www.husson.edu/schools-and-degrees). In addition, international applicants must comply with rules established by the Student and Exchange Visitor Information System (SEVIS) and follow the process for acquiring and maintaining an F-1 Visa (See "F-1 Visa Information" at www.husson.edu).

Both first-year and transfer international applicants are admitted through July 1 for entry in September and through December 1 for entry in
January. Transfer applicants must have a minimum grade point average of 2.5 at the time of application. Applications are reviewed by a Selection Committee as soon as they are complete, and applicants are typically notified of a decision within three weeks. Because some programs fill early, it is advisable to complete applications by January 31 for September entry. Candidates for programs in Nursing, Occupational Therapy, Physical Therapy and Pharmacy must be aware that these programs are highly competitive, have a small number of openings each year, and may be filled before January 1. Please refer to specific programs for admission deadlines at www.husson.edu. Applicants applying to graduate programs should follow the application instructions for their specific program, found at www.husson.edu/graduate.

For undergraduate admission consideration, applications must include the following:

1. A completed application found online at www.husson.edu
2. Official transcripts  - one from every high school attended in grades 9 through 12. All applicants must submit transcripts translated in English or submit transcripts to a credential evaluation service which holds a membership in NACES (www.naces.org/members). Evaluation reports must be course-by-course. All transfer candidates must submit transcripts to a credential service.
3. Test of English Proficiency. Husson accepts TOEFL (minimum score 75, Nursing, Physical Therapy, Occupational Therapy and graduate programs minimum score 80), IELTS (minimum score 6), or iTEP (minimum score 6). Applicants who have been studying in an English immersion environment for two or more years may replace the test of English competency with SAT or ACT scores or comparable exam results.
4. A letter of recommendation from a teacher or non-family member.
5. Affidavit of Financial Support with accompanying proof of finances (a bank statement indicating resources for one complete year of attendance) and dated within six months. http://www.husson.edu/assets/husson-admissions_InternationalApp-FinancialDeclaration_08142014-fillable.pdf
6. Interview in person or via Skype is optional but encouraged.
7. Copy of passport ID Page
8. Optional photo (no larger than 2x3" - 6.35x7.62cm)
9. There is no application fee for international applicants.

All accepted students must submit an enrollment deposit of $500 by June 1 for September admission. Students accepted after May 1 must submit the deposit of $500 upon receiving their acceptance.

International Student Scholarships

The President’s Global Scholarship is available to all undergraduate international students. Students may be eligible for awards of up to $10,000. Every applicant is screened for eligibility based upon merit criteria that include grade point average, test scores, strength of program of study, leadership, and service. Scholarships are renewable based upon maintaining a 2.5 grade point average and good school citizenship. Students must submit all application materials by January 31 to be considered for any level of the President’s Global Scholarship.

Contact Information

International students and their families are encouraged to explore Husson University through our website, visits, and personal contact with our staff. We welcome your questions and the opportunity to showcase our programs.

Direct Inquiries to the following:

Director of International Initiatives - Colleen Grover
Phone: +1 207.404.5640 or email: groverc@husson.edu

Coordinator of International Initiatives - Andrius Ksikvas
Phone: +1 207. 941.7014 or email: ksikvasa@husson.edu

Coordinator of International Student Immigration Affairs - Steve Egland
Phone: +1 207.941.7085 or Email: eglands@husson.edu

Professional Clinical Licensure and Certification Notice

Students who are pursuing degrees leading to application for professional licensure or certification, and/or who will be participating in clinical placements, internships, or practica through their Husson program of study should be aware that their host facility may require a criminal background check, fingerprinting or drug screening. In such situations, students are responsible for obtaining and paying for the background check or other screening processes and for delivering required documentation to the facility. Although Husson will make reasonable efforts to place admitted students in field experiences and internships, the host facility will determine whether a student will be allowed clinical access at that facility. Students should be aware that a criminal record may jeopardize completion of their coursework and degree requirements, as well as licensure by the state professional regulating body. Students may consult the licensure and/or certification organization corresponding to their intended major for more details.

Successful completion of a program of study at Husson does not guarantee licensure, certification or employment in the relevant occupation.

Student Classification

Degree Status

Students in this category are those enrolled in doctorate, master, bachelor or associate degree programs. Undergraduate degree status students are eligible for financial aid. Degree students may defer their declaration of a major until the end of the first year.

Non-degree Status

Students in this category are pursuing courses for personal enrichment, professional certification, or to fulfill prerequisites at other institutions. Non-degree status students are not eligible for financial aid.

Special Status

Students in this category may have specific academic needs and may not meet the University admissions requirements. They will be assigned an advisor who will monitor their progress. Special students in good academic standing may apply for admission to a degree program. It should be noted that students taking courses without regard to a future academic major may take courses that are not transferable for degree credit. It is to a student’s advantage to declare a degree objective as soon as is practical. As a guideline, a decision should be made after (24) credit hours have been successfully completed. Special status students are not eligible for financial aid.

Conditional Status

Students in this category are those considered to have academic deficiencies, for which a longer time may be required than is shown in the catalog to complete degree requirements. For those students, an
individual academic plan may include a reduced course load. Conditional status students are eligible for financial aid.

**Advanced Standing Test Programs**

Depending upon the program of study, entering students may be awarded advanced standing to a maximum of thirty credit hours on the basis of advanced placement examinations. College credit can be earned through the College Level Examination Program (CLEP), Advanced Placement (AP) through testing with the College Board or the International Baccalaureate (IB). Students must attain a minimum of 3 or better on the AP and 4 or better on the IB. Six (6) credit hours per subject area may be awarded for the American Council on Education based on recommended passing scores attained on the CLEP as administered by ETS. Other recognized college-credit granting programs may also provide a student advanced standing at Husson. Students are encouraged to present earned credit for evaluation when applying for admission.

**ECAP**

Husson University recognizes the desire of high school students to take college courses for credit in order to enter college with advanced standing, thereby bypassing selected introductory level courses. In order to address this need, Husson University has created the Early College Access Program. Students must currently be in their junior or senior year of high school. Students are allowed to take a maximum of two classes a semester. Contact the Admissions Office for additional information.

**Proficiency Exam**

Proficiency examinations developed by departments and divisions within the University are also used to assess attained competencies and provide for advanced standing. These examinations are used to measure student attainment of specific learning normally provided through regular Husson courses. Successful performance results in the awarding of credit for specified courses. The departments and schools of the University designate the courses for which proficiency examinations are available to students.

Proficiency examinations are intended for the purpose of recognizing the already attained skills and knowledge of persons who are enrolled at Husson. Students may challenge any course at Husson with the following exceptions:

- If a course has a prerequisite, the student must have met the prerequisite requirement before challenging the course;
- Those courses restricted by catalog statements on eligibility or otherwise not approved by the separate university departments or divisions;
- The most advanced-level course in a sequence of courses where skills and knowledge attained are closely related to potential job performance; and
- Graduate courses. Some graduate nursing courses are open to challenge by examination. For information, contact the Office of the Dean of the College of Health and Education.

Students may not take a proficiency exam in any course for which credit has already been accepted in transfer by Husson University. Husson University will accept proficiency credits from other colleges and universities that are regionally accredited. A student must be registered in a degree program at Husson University to be eligible to take a proficiency exam (with the exception of high school students enrolled in the ECAP).

If the student’s proficiency examination score meets the minimum standard required for “C” work in the course, credit for the course will be entered on the student’s permanent record by the University Registrar. Such credit will be shown as “credit by proficiency.” No grade will be recorded, and the credits will not be included in the computation of the student’s grade-point average. If the student’s examination does not meet the standard required for “C” work, no credit shall be granted. A student may take a proficiency examination for a given course only once.

Candidates for advanced standing who wish to enroll in a degree program must complete their last thirty (30) credit hours at Husson.

**Advanced Standing - Transfer Credit**

Students who have attended other accredited institutions and who wish to transfer to Husson are admitted to advanced standing on the quality of their credentials. Such transfer students should have the institution(s) attended send official transcripts of the course work completed to the Husson Admissions Office for evaluation. This should be done as part of the process of applying for admission to the University. Invitations are extended to all transfer students to arrange interviews with the Admissions Office.

Transfer students should follow the regular admission procedure outlined in this catalog. It is recommended that application be made at least one month before the semester in which the student wishes to enter Husson.

The essence of the transfer policy is an evaluation of the individual’s complete official transcript(s) from the institution(s) previously attended. It is the transferee’s responsibility to have these transcripts forwarded to the Husson Admissions Office. Upon admission to the University, a copy of the evaluation of transfer credit is forwarded to the transferee.

A transfer student who is admitted to Husson from an accredited institution is granted academic credit for acceptable transfer courses with the following guidelines:

The transfer student with an associate degree may be granted advanced standing, i.e., junior status with sixty (60) credit hours accepted from the transcript. The student must be aware that more than two additional academic years at Husson may be necessary to complete the degree requirements for a specific Bachelor of Science degree program. Earning degree credits in the summer sessions at Husson may shorten the length of time.

The transfer student, after becoming a resident student at Husson, cannot transfer additional credits from any other institution into a Husson degree or certificate program. A transfer student without an associate degree is granted academic credit for courses in which a “C” or better grade had been attained, or demonstrates academic performance which is acceptable to the Chief Academic Officer and Director of Admissions.

Students who transfer into Husson University must complete their final 30 credit hours at Husson University and a minimum of 15 credits must be specific to the major.

Students who wish to transfer credit into Husson University after having been admitted must follow the policy under Academic Policies (p. 22).
English and Math General Education Policy

All students are required to demonstrate competency in Math and English. Before starting in their first year, all students that do not have AP or Transfer credits in College Algebra will be required to complete an online math placement exam. The test results and SAT scores will determine class placement for math. Students are placed in English courses based on their previous transcripts and verbal SAT score as well as an initial diagnostic given once classes begin. Placement changes may take place during the add/drop period.

Undeclared Major

Most Husson students declare their intended major when applying for admission to the University. Students may, however, choose to defer their declaration of a major until the end of the first year of study. For those students, the University provides a basic first-year curriculum composed of general education and foundation courses. The student develops a schedule in conjunction with an academic advisor from Academic Services. Subsequent approval of first-year courses for transfer into a degree program rests with the School or academic department offering the degree.

Dual Major – Undergraduate

A student who seeks a second or additional major for his or her baccalaureate degree must meet all General Education requirements for the original major and complete all degree requirements for both majors. A student seeking a second major should complete a “Request for Second Major” form and submit it to his or her original advisor, the new advisor within secondary major, and the department head and dean where the new major is housed. A completed transcript evaluation must be attached and submitted along with the form to the registrar’s office.

Dual/ Second Bachelor’s Degree

A student who seeks a second or additional Bachelor’s degree must complete a minimum of 30 additional semester hours at Husson beyond the requirements for the first degree and complete all the requirements in the second degree area.

Dual/Second Master’s Degree

If the graduate program allows, a student who seeks a second or additional graduate (Master’s) degree must meet admissions requirements, complete a minimum of 15 additional credit hours at Husson University beyond the requirements for the first graduate (Master’s) degree and must complete all required course for the second graduate (Master’s) degree.

Financial Information

Regular Division

<table>
<thead>
<tr>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular Tuition</td>
<td>$16,585 per year for a full load of 31 credits</td>
</tr>
<tr>
<td>Summer School</td>
<td>$480 per credit hour</td>
</tr>
<tr>
<td>Master of Science in Occupational Therapy - Professional Phase: Years 3, 4 and 5</td>
<td>$620 per credit hour</td>
</tr>
</tbody>
</table>

Extended Learning (Continuing Education)

<table>
<thead>
<tr>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bangor</td>
<td>$285 per credit hour</td>
</tr>
<tr>
<td>Westbrook</td>
<td>$285 per credit hour</td>
</tr>
<tr>
<td>Presque Isle</td>
<td>$285 per credit hour</td>
</tr>
<tr>
<td>Online Courses</td>
<td>$325 per credit hour</td>
</tr>
<tr>
<td>Canadian Public Community College (CPCC) Diploma-to-Degree Program</td>
<td>$535 per credit hour (CAD) payable to Husson University</td>
</tr>
<tr>
<td>RN to BSN (Traditional Classroom &amp; Online)</td>
<td>$385 per credit hour</td>
</tr>
</tbody>
</table>

Graduate and Professional Programs

<table>
<thead>
<tr>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Pharmacy</td>
<td>$940 per credit hour</td>
</tr>
<tr>
<td>Master of Business Administration</td>
<td>$450 per credit hour</td>
</tr>
<tr>
<td>Master of Education</td>
<td>$385 per credit hour</td>
</tr>
<tr>
<td>Master of Science in Clinical Mental Health Counseling</td>
<td>$560 per credit hour</td>
</tr>
<tr>
<td>Master of Science in Criminal Justice Administration</td>
<td>$450 per credit hour</td>
</tr>
<tr>
<td>Master of Science in Human Relations</td>
<td>$560 per credit hour</td>
</tr>
<tr>
<td>Master of Science in Nursing</td>
<td>$560 per credit hour</td>
</tr>
<tr>
<td>Master of Science in Pharmacology</td>
<td>$560 per credit hour</td>
</tr>
<tr>
<td>Master of Science in School Counseling</td>
<td>$560 per credit hour</td>
</tr>
</tbody>
</table>

Fees

<table>
<thead>
<tr>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comprehensive Fee - 9 credits or more</td>
<td>$225 per semester/$450 per academic year</td>
</tr>
<tr>
<td>Comprehensive Fee - 6 to 8 credits</td>
<td>$110 per semester/$220 per academic year</td>
</tr>
<tr>
<td>Comprehensive Fee - Less than 6 credits</td>
<td>$55 per semester/$110 per academic year</td>
</tr>
<tr>
<td>Graduation Fee - All divisions</td>
<td>$150 (one time fee per degree, prior to graduation)</td>
</tr>
<tr>
<td>NESCom Lab Fee</td>
<td>$410 per semester/$820 per academic year</td>
</tr>
<tr>
<td>Parking Decal</td>
<td>$75 Fall entry/$50 Spring entry</td>
</tr>
<tr>
<td>Orientation Fee - entering first-year undergraduate students only</td>
<td>$125 Fall entry</td>
</tr>
<tr>
<td>Insurance - all students must have health insurance coverage. Those students not already covered may purchase insurance through Husson.</td>
<td>$1,943 Fall entry/$1,131 Spring entry</td>
</tr>
<tr>
<td>American Occupational Therapy Association Membership</td>
<td>$75/2015-2016 rate subject to change</td>
</tr>
</tbody>
</table>
Charge Policy

Textbooks - Husson University Bookstore

Additional Fees

New Students

Returning and Readmitted Students
Payment Plans

Husson offers a protected pay-by-the-month plan. Details are available in the Student Accounts Office.

Under the protected pay-by-the-month plan, the total charges for the semester, net of financial aid, are divided into 4, 5, or 6 equal monthly installments. Normally the payments begin as early as June for the following semester. This plan is administered by a third party.

Deferred Tuition Plan for Employer Reimbursed Students

The University will defer the tuition for a period of 30 days after grades have been posted for the semester. At the end of the deferment period the account will be reviewed and if full payment has not been applied to the student’s account, the credit/debit card on file will be charged. The completed Deferred Tuition Plan contract must be submitted prior to the end of the add/drop period of each semester. The student’s tuition balance will not be charged interest while participating in this plan.

Student’s Responsibilities:

1. Student must submit a copy of their employer’s reimbursement policy. The policy must be mailed, faxed, or scanned and emailed directly to the Student Accounts Office and received prior to the end of the add/drop period and must be attached to the completed Deferred Tuition Plan contract.

2. Student must provide a credit/debit card which will be stored in a secure environment and will be used to pay for any unpaid portion of tuition/fees if the payment has not been posted by the 30 days after grades have been posted for the semester. If during the course of the semester the card information provided changes, the student must submit the new card information to the Student Accounts Office accordingly. If the card information on file is rejected, the student will be immediately removed from the deferred tuition plan and subject to standard University collection procedures.

3. If tuition reimbursement is less than 100%, the non-reimbursed portion must be paid in full by the student at the time of registration.

4. Maintain good financial and academic standing.

5. Submit a new contract for continued enrollment in the plan each semester prior to the end of the add/drop period.

6. If the employee has financial aid in place to cover the balance the employee is not eligible for deferred tuition, the financial aid is the first payer.

If any required items are omitted, the deferment cannot be processed and payment will not be deferred. Husson University reserves the right to cancel students from the deferred tuition plan who fail to comply with the requirements of the plan.

Tuition Assistance

Students that are eligible for third party tuition assistance are required to turn in the appropriate documentation reflecting the third party assistance prior to the end of the add/drop period. The student’s tuition balance will not be charged interest if there is a record of tuition assistance on file and it covers the whole balance on the account.

Tuition Refund Policy

Students are enrolled for the entire semester, not for a period of attendance. Paying fees in installments does not result in a fractional contract. A student who withdraws from school prior to the completion of his/her program of study, during a semester or between semesters, must file an official form of withdrawal with the Registrar’s Office.

Tuition refund credits are computed from the official date of withdrawal. Nonattendance of classes does not constitute an official withdrawal. Full tuition credits will be given for individual course withdrawals during the standard add/drop period each term. For individual course withdrawals after the standard add/drop period, tuition and fees will not be adjusted.

Students who are academically or administratively dismissed will receive a refund in accordance with the refund policy below.

Financial aid will be proportionately charged back in accordance with government regulations.

For program withdrawals during the regular academic year or for terms that are 15 or 12 weeks in length, refund credits will be prorated on the balance of tuition and other charges, after deducting the tuition deposit and other nonrefundable fees, using the following schedule:

<table>
<thead>
<tr>
<th>Week of Term</th>
<th>Refund Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>During the First week</td>
<td>100%</td>
</tr>
<tr>
<td>During the Second Week</td>
<td>85%</td>
</tr>
<tr>
<td>During the Third Week</td>
<td>70%</td>
</tr>
<tr>
<td>During the Fourth Week</td>
<td>55%</td>
</tr>
<tr>
<td>During the Fifth Week</td>
<td>40%</td>
</tr>
<tr>
<td>During the Sixth Week</td>
<td>25%</td>
</tr>
<tr>
<td>After the Sixth Week</td>
<td>0%</td>
</tr>
</tbody>
</table>

Summer Session withdrawals will be prorated using the following schedule:

<table>
<thead>
<tr>
<th>Withdrawal Date</th>
<th>Refund Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Withdrawal on or before the number of days equal to the number of weeks a class is scheduled.</td>
<td>100%</td>
</tr>
</tbody>
</table>

For example, for a six week course, a refund will be granted through the sixth day.

After the number of days equal to the number of weeks a class is scheduled. | 0% |

Residence Refund Policy

Students who withdraw from the University or are academically or administratively dismissed, must complete and sign a Residence Withdrawal form and turn in his or her room key and student ID card to the Director of Residential Life. A refund credit will be prorated on the residence charges in accordance with the same schedule as is used for tuition refunds (see Tuition Refund Policy above).

Financial Aid

Students attending Husson University annually receive financial aid funds totaling in excess of $46 million from federal, state, community, and campus-based sources. Aid resources are made available to
students on the basis of financial need determined by the submission of the Free Application for Federal Student Aid (FAFSA). The FAFSA is the only application required for need-based financial aid consideration at Husson.

The FAFSA collects income and asset information about parents and students. This information is analyzed by the Department of Education and provided to financial aid agencies and institutions. The FAFSA should be completed as soon after October 1 as possible to ensure equitable consideration for existing aid resources. All applicants must file by April 15 in order to be considered for all available financial aid.

Financial aid is renewed annually based upon continued financial need as demonstrated through the annual filing of the FAFSA and the requirement that the student meet the stipulations of the Satisfactory Academic Progress Financial Aid Policy.

Financial Aid Sources
The following is a list of aid sources available to Husson University students. Applicants are encouraged to research the possibility of assistance from other sources such as local fraternal and social organizations and special service groups. Often, your high school guidance counselor is the best resource for this type of scholarship information.

Federal Sources
- Federal Pell Grants
- Federal Supplemental Educational Opportunity Grants (FSEOG)
- Federal College Work Study Program (FWS)
- Federal Direct Loan Program
  - Subsidized
  - Unsubsidized
- Parent PLUS
- Graduate PLUS

State Sources
- Maine State Grant Programs
- Non-Maine students should apply to the state grant program in their state of residence (See FAFSA for State deadlines)

Community Sources
Many communities support student efforts to attend institutions of higher education. Information regarding local aid programs is available through guidance counselors at local high schools.

Other Sources
- Husson University payment plans (TMS)
- Alternative Education Loans from Private Lenders (www.elmselect.com)

Institutional Grants
- Husson annually offers a limited amount of grant assistance to students with demonstrated financial need and/or academic achievement.

See the Financial Aid Office’s webpage at http://www.husson.edu/scholarships for a complete list of scholarships.

Withdrawal
Withdrawal from School
If you register and then withdraw from all classes, your eligibility for aid will be recalculated based on the number of days you attended class. If you withdraw from all classes prior to the first class day, you must repay any and all financial aid received. If you withdraw on or after the first class day, you may have to repay a portion of any financial aid received. If you withdraw, you should consult the definition of Satisfactory Academic Progress to determine if your withdrawal will affect your eligibility for future aid.

The Higher Education Amendments of 1998 changed the formula for calculating the amount of aid a student and school can retain when the student withdraws from all classes. (Consumer Information 34 CFR 668.22). This law specifies how Husson University must determine the amount of Title IV program assistance that you earn if you withdraw from school. The Title IV programs that are covered by this are: Federal Pell Grants, Direct Loans, Direct PLUS Loans, Federal Supplemental Education Opportunity Grants (FSEOG), and Federal Perkins Loans.

Though your aid is posted to your account at the start of each semester, you earn the funds as you complete the semester. If you withdraw during your payment period or period of enrollment the amount of the Title IV program assistance that you have earned up to that point is determined by a specific formula. If you received (or Husson or your parent received on your behalf) less assistance than the amount that you earned, you may be able to receive those additional funds. If you received more assistance than you earned, the excess funds must be returned by Husson University and/or by you.

The amount of assistance that you have earned is determined on a pro-rated basis. For example, if you completed 30% of your payment period or period of enrollment, you earn 30% of the assistance you were originally scheduled to receive. Once you have completed more than 60% of the payment period or period of enrollment, you earn all the assistance that you were scheduled to receive for that period.

If you did not receive all of the funds you earned, you may be due a post-withdrawal disbursement. If your post-withdrawal disbursement includes loan funds, Husson must get your permission before it can disburse them. You may choose to decline some or all of the loan funds so that you don't incur additional debt. We highly encourage this practice. We may automatically use all or a portion of your post-withdrawal disbursement of grant funds for tuition, fees, and room/board charges (as contracted with Husson). Husson needs your permission to use the post-withdrawal disbursement for all other school charges. If you do not give your permission, you will be offered the funds. However, it may be in the best interest to allow us to keep the funds to reduce your debt at the school.

There are some Title IV funds that you were scheduled to receive that cannot be disbursed to you once you withdraw because of other eligibility requirements.

If you receive (or Husson or parent receive on your behalf) excess Title IV program funds that must be returned, your school must return a portion of the excess equal to the lesser of:

1. Husson charges are multiplied by the unearned percentage of your funds, or
2. The entire amount of excess funds.
We must return this amount even if you didn’t keep this amount of your Title IV program funds. If Husson is not required to return all of the excess funds, you must return the remaining amount.

Any loan funds that you must return, you (or your parent for a Direct PLUS Loan) repay in accordance with the terms of the promissory note. That is, you make a scheduled payment to the holder of the loan over a period of time.

Any amount of unearned grant funds that you must return is called an overpayment. The maximum amount of a grant overpayment that you must repay is half of the grant funds you received or were scheduled to receive. You do not have to repay a grant overpayment if the original amount of the overpayment is $50 or less. You must make arrangements with Student Accounts or the Department of Education to return the unearned grant funds.

The requirements for Title IV program funds when you withdraw are separate from any refund policy that Husson has. Therefore, you may still owe funds to the school to cover unpaid institutional charges. Husson may also charge you for any Title IV program funds that the school is required to return. If you don’t already know our refund policy please talk to Financial Aid and Student Accounts before making any decisions. Also please visit the OASIS Office (http://www.husson.edu/academic-support) located in Peabody 208 for procedures for withdrawing from school.

If you have any questions about your Title IV program funds, you can call Federal Student Aid Information Center at 1.800.4.FEDAID (1.800.433.3243). TTY users may call 1.800.730.8913. Information is also available on Student Aid at www.studentaid.ed.gov (https://www.studentaid.ed.gov).

**Satisfactory Academic Progress Financial Aid Policy**

The U.S. Department of Education requires that a student who receives financial assistance make real and measurable progress in the academic program in which the student is enrolled. This is called Satisfactory Academic Progress (SAP), and it affects all federal, state, and most forms of need-based institutional aid.

To be eligible for financial aid, you must meet specific minimum thresholds:

**Undergraduate students:**

<table>
<thead>
<tr>
<th># of credits attempted</th>
<th>GPA below</th>
<th>or earned greater than x % of attempted credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-23</td>
<td>1.50</td>
<td>67%</td>
</tr>
<tr>
<td>24-53</td>
<td>1.70</td>
<td>67%</td>
</tr>
<tr>
<td>54-83</td>
<td>1.80</td>
<td>67%</td>
</tr>
<tr>
<td>84+</td>
<td>1.90</td>
<td>67%</td>
</tr>
</tbody>
</table>

**Graduate students:**

<table>
<thead>
<tr>
<th># of credits attempted</th>
<th>GPA below</th>
<th>or earned greater than x % of attempted credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctorate of Pharmacy</td>
<td>2.0</td>
<td>67%</td>
</tr>
<tr>
<td>All Other Graduate Programs</td>
<td>3.0</td>
<td>67%</td>
</tr>
</tbody>
</table>

Failures, withdrawals, and incompletes are considered attempted but not completed credits for the purposes of assessing Satisfactory Academic Progress.

SAP is reviewed at the end of fall and spring semesters for undergraduate and graduate students.

If you drop below the minimum SAP requirements you are allowed a warning term to raise your GPA and/or credit hour completion rate to the minimum requirements. You can receive your financial aid during your warning term, but if you are not meeting the required minimum GPA and/or credit hour completion rate at the end of your warning term, your financial aid will be suspended.

If you were placed on warning in a previous semester and continued to fall below minimum requirements, you will be placed on SAP Disqualification, causing the loss of financial aid going forward.

You have two options if you are on SAP Disqualification:

1. You may appeal the suspension **
2. You may continue without the benefits of financial aid. You will still be responsible for finding a way to pay your student account charges if you decide not to appeal. Ways to pay include a payment plan or student alternative loans.

In order to appeal the disqualification, there are two pieces of information you must submit before our SAP Appeals Committee can review your appeal:

1. A written statement that discusses any circumstances that kept you from meeting SAP requirements in the past, and what you have changed in order to foster academic success moving forward. Include specifics regarding your anticipated academic program completion date, and the estimated number of hours remaining for your academic program completion.
2. Written support from an academic advisor, endorsing your academic plan moving forward.

**Submission of an appeal **does not guarantee** reinstatement of your eligibility.

Your appeal must be submitted within 30 days of notice of the suspension. Appeals submitted after the respective dates below will be considered for the following enrollment period. Incomplete appeals will not be reviewed. Once all required pieces of information are received, the SAP Appeals Committee will review your appeal within 14 business days, and notify you of their decision via email. If your appeal is approved, then your financial aid will be reinstated for the appropriate terms in accordance with federal, state and university regulations and processing requirements/ deadlines, and the availability of funds. For students whose aid has been reinstated, they will be placed on Financial Aid Probation. Even if your appeal is denied, you may continue to pursue your education without the benefit of financial aid. You may apply for a payment plan or explore your options with student alternative loans at www.elmselect.com.

The degree programs at Husson University are approved by the Maine State Approving Agency for Veterans Education Programs for persons eligible for Veteran’s Administration GI Bill ® benefits. Students who request veteran’s educational assistance are required to have all previous post-secondary experience evaluated for possible transfer credit in order
to be eligible for benefits. For more information, contact the Registrar’s Office.

**Academic Policies**

**Academic Integrity**

Husson University strives to promote and preserve an academic environment that facilitates learning throughout students’ undergraduate and graduate experience. Students demonstrate learning and faculty assess learning through a variety of means such as testing, papers, and research. In order to preserve a healthy academic environment, students must demonstrate their own efforts.

The learning environment is undermined when students do not act with integrity by presenting other’s works as their own or by distorting academic records. Although the following is not an exclusive list, violations of academic integrity include:

- Cheating – sharing, providing, obtaining or submitting information, whether verbally, electronically or by other means, with the intent of fraudulently improving course grades.
- Plagiarism – presenting ideas as your own without proper attribution to the person who originally developed the idea or expression or the means or method of conveying it.
- Fabrication – presenting information as fact that has not been verified or cannot be substantiated by reference to professional material or the scientific process.
- Falsification – altering or causing documents or records, official or otherwise, to reflect a false representation regarding work, credentials, or accomplishments.

In utilizing Husson University technology, each student acknowledges his or her responsibility to uphold these standards of integrity and willingness to be subject to them. Each instructor is empowered to determine the appropriate sanction based on a violation of this policy, including failure in the course. If an instructor determines that a violation of academic integrity has transpired, the instructor will memorialize the finding in a report and meet with the student to discuss the findings and proposed sanctions. The student may appeal the findings to the Dean of the respective school for the course within 10 business days of the scheduled meeting with the instructor. Other academic sanctions may also be taken by the University authorities, including dismissal from the University.

**Credit Hour Defined**

A credit hour is defined as one, 50-minute period of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester. An equivalent amount of work is expected for other activities such as laboratory work and internships.

**Student Course Load**

A full-time Husson undergraduate student normally enrolls for 15 credit hours of course work. Exceptions may include the following conditions: (1) a student on probation is required to carry a reduced load of 12 credit hours; or (2) a conditionally accepted student is required to carry a reduced load. Full-time attendance is defined as a course load of 12 or more semester hours.

**Change of Academic Program**

Students applying for a change of academic program must obtain the approval of the chairs of the departments involved. All program changes become effective at the beginning of the following semester. Students who change their program of study must submit required forms to the Registrar’s Office prior to the beginning of their final term or semester.

A student who seeks a second or additional major for his or her baccalaureate degree must meet all General Education requirements for the original major and complete all degree requirements for both majors. A student seeking a second major should complete a Request for Second Major form and submit it to the Registrar’s Office.

A student who seeks a second or additional bachelor’s degree must complete a minimum of 30 additional semester hours at Husson beyond the requirements for the first degree and complete all requirements for both degrees. Students who would like to enroll in a second degree must submit Change of Major paperwork to the Registrar’s Office indicating both degrees being pursued.

**Course Change and Course Withdrawals**

During the first week of classes in the semester, students are given the opportunity to adjust their course schedules by adding and dropping courses. Verbal notice to the instructor or failure to attend class is not sufficient notice. Written approval must be obtained from the faculty advisor. Dropping courses may delay graduation and adversely impact class status, athletic eligibility, immigration status and financial aid.

The policy with respect to withdrawing from a course is as follows:

1. A student who withdraws from a course after the Add/Drop period will generally not be registered or admitted to another course.
2. A student who withdraws from a course up to the midterm of classes will receive a grade of "WW."
3. If a student withdraws after the midterm, a grade of PW or FW will appear on the student’s official transcript indicating:
   - PW (Withdraw Pass)—The student withdraws from the course having completed all work and assignments up to the time of the withdrawal and/or having participated in the course to the academic expectation of the professor.
   - FW (Withdraw Fail)—The student withdraws from the course not having completed the work and the assignments up to the time of withdrawal and/or had not participated in the course to the academic expectation of the professor.

The grade of PW or FW will be determined by the professor of the course and submitted to the Registrar at the time the student withdraws from the course, on an official withdrawal form.

The grade of PW, although included on the student’s transcript, is not computed into the grade-point average or the cumulative average. The grade of FW is computed into the grade-point average and the cumulative average.

No course withdrawal can be initiated after the last day of classes as designated in the academic calendar in the semester or term in which the course is taken.
Attendance
Students are expected to attend all scheduled class sessions for courses in which they are enrolled and to be responsible for all coursework. The only recognized absences are those that are the consequence of family or personal emergencies, or extended illness that results in confinement or hospitalization. Proof of the validity of a particular class absence may be required of a student by an instructor. The decision as to whether or not a student may make up class work, quizzes or examinations missed while absent is exclusively that of the course instructor.

Husson University policy requires that faculty keep attendance records. When students are absent from either more than 15% of the scheduled class meetings for a semester or more than the number of absences allowed per the syllabus for a specific course, faculty may award the grade of X and deny course credit for excessive absences. It is recommended that faculty inform students when they are in danger of losing credit due to excessive absences.

Attendance in online courses is demonstrated in a variety of ways such as by submitting academic assignments, taking exams, engaging in interactive tutorials or computer-assisted instruction, participating in online discussions about academic matters, or initiating contact with the faculty members to ask questions about the academic content of the course.

Students must log in at least once a week at a minimum but multiple logins are highly recommended to satisfy academic obligations. Any students who begins active participation but does not log in to their course(s) for 7 consecutive calendar days, or as outlined in the course syllabus, may be assigned a grade of “X” (Failure for excessive absences).

Synchronous Sessions Policy for Asynchronous Courses
All instruction in asynchronous courses and programs is delivered online with no required in-person activities. Certain exceptions exist for practicum requirements for clinical programs such as may be found in the health care disciplines. Although the majority of online instructions will be asynchronous, some courses may involve synchronous interactivity-including real-time events, guest lectures, panel discussions, simulations, student group work, consultations, or meetings. Synchronous sessions will meet accessibility and Universal Design for Learning (UDL).

Online synchronous sessions are those for which students and instructors are engaged in simultaneous electronic communication with each other. When a synchronous session is scheduled, faculty must record the session or provide a suitable alternative for students whose schedules prevent them from participating at that time. Any recording should be made available for at least two weeks after the session for any student who is not able to attend. Instructors are required to provide adequate notice of all synchronous sessions and to indicate to the means by which information will be available for those unable to participate.

Leave of Absence from the Campus
A written leave of absence request submitted to the Dean of the College allows the student to bypass the more lengthy college admissions process and return to school.

Administrative Withdrawal
If a student never attends any course in which they have enrolled for a given semester or term, the Registrar’s Office may initiate an Administrative Withdrawal. For online students an Administrative Withdrawal may occur when a student does not log into the learning management system and begin completion of course assignments in all courses for a period of 7 consecutive calendar days within the first 14 days after the start of the course(s).

Directed Course Study
In a Directed Study, an individual student and a faculty member cover the content of a course in the Husson University curriculum but do not meet in a regular class section with other students. Normally, a directed study is only approved for those students with fifteen or fewer credit hours remaining in their program of study. Final evaluation of a student includes an assessment of learning outcomes by the faculty member.

Only six (6) semester hours of directed study may be applied to the requirements for a bachelor’s degree. Only three (3) semester hours of directed study may be applied to the requirements for an associate’s degree.

Independent Study
In an Independent Study, an individual student and faculty member pursue subject matter not covered by an established Husson University course. Independent Study courses may be available to students who meet the following criteria:

• Junior or senior status
• An overall average of 3.0 or
• A 3.0 average in the previous semester

A plan of study is developed by the faculty member and submitted to the department chair or dean for approval.

Transfer Credit Policy for Degree Candidates
A student at Husson who is a degree candidate and has not transferred any credit hours from another college or university may transfer twelve (12) credits to apply toward a bachelor’s degree program or six (6) credits to apply toward an associate’s degree program. However, unless an active-duty service-member, students are not permitted to transfer in any part of the last year’s work in their program [usually thirty (30) semester hours]. A transfer student who becomes a Husson degree candidate cannot transfer in additional credit beyond what was accepted in transfer at the time of admission to Husson University. A minimum grade of C must be earned for the course to be eligible for transfer. Students should consult specific program information and/or department heads to determine whether additional requirements or limitations apply. In addition, students should seek permission to transfer credits from another institution prior to registering for their courses. Such permission may not be granted if the course under consideration is similar to one being offered by the University during that same term. Course credits transferred in to Husson appear on the transcript as a “T”. Grades earned
at other institutions as course repeats do not replace those earned at Husson.

**Special Schedule Options**

Husson University offers a January and May term and from time to time may offer quarter courses and other special formats in which classes meet on a more intensive schedule than in semester length courses.

**Summer Sessions**

Summer sessions are offered to allow students early entry into a college program, to accelerate their graduation date, or to make up academic deficiencies.

**Grading System**

The system of evaluating a student’s achievement at Husson is by letter grade, with grade-point values based upon an earned three-hour credit unit as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade-Point Average</th>
<th>Quality Points</th>
<th>Earned 3-hour Credit Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.0</td>
<td>12.0</td>
<td>95-100</td>
</tr>
<tr>
<td>A-</td>
<td>3.7</td>
<td>11.1</td>
<td>90-94</td>
</tr>
<tr>
<td>B+</td>
<td>3.3</td>
<td>9.9</td>
<td>97-89</td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
<td>9.0</td>
<td>87-86</td>
</tr>
<tr>
<td>B-</td>
<td>2.7</td>
<td>8.1</td>
<td>80-82</td>
</tr>
<tr>
<td>C+</td>
<td>2.3</td>
<td>6.9</td>
<td>77-79</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
<td>6.0</td>
<td>73-76</td>
</tr>
<tr>
<td>C-</td>
<td>1.7</td>
<td>5.1</td>
<td>70-72</td>
</tr>
<tr>
<td>D+</td>
<td>1.3</td>
<td>3.9</td>
<td>67-69</td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
<td>3.0</td>
<td>63-66</td>
</tr>
<tr>
<td>D-</td>
<td>0.7</td>
<td>2.1</td>
<td>60-62</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
<td></td>
<td>Below 60</td>
</tr>
</tbody>
</table>

**++P** C Level work or higher. Passed

**+HP** Above average achievement in pass/fail course

**+++NG** No grade submitted (temporary grade)

**WW** Withdrawal up to midterm

**+PW** Withdrew passing

**FW** Withdrew failing

**+E** Exited with out withdrawing

**X** Credit denied because of excessive absence

**+WA** Administrative withdrawal

+++I Incomplete (temporary grade)

++AU Audit, no credit earned

+L Student enrolled but never attended course, no withdrawal on file.

+ Grade does not affect GPA

++ Audit Courses. Students who wish to audit a course (enroll for noncredit) must follow the usual registration procedure.

+++ A temporary grade (I & NG), if not converted to a final grade, becomes an F at the mid point of the following term or semester.

The Registrar’s Office does not report grades upon a verbal request to do so. Only written requests by authorized personnel are acknowledged.

**Student Appeal of a Course Grade**

If a student believes he or she has received an improper grade for a course, he or she must present the case to the instructor within one week from the beginning of the next regular semester (e.g. fall, spring). If the matter is not resolved within two weeks of discussion with the instructor, the student may appeal the matter in writing with supportive evidence and rationale to the Dean of the School offering the course. The Dean will consider only issues of procedure and fair treatment and will not review the academic judgment used in determining a grade. The Dean’s decision on matters pertaining to grade appeals is final. Certain procedural variations may exist depending upon the student’s course of study.

**Pass/Fail Courses**

The option to take a course on a pass/fail basis may not be available in all courses. When it is available, the students must declare choice of the option before the end of the add/drop period. Students enrolled in pass/fail courses may also receive a grade of Honors signifying that the student’s achievement in the course was significantly above the average achievement of other students in that course.

**Incomplete Grades**

In exceptional circumstances students may be given an “I” (Incomplete) grade. Criteria for granting Incompletes include illness or accident, death or critical illness in the family, emotional disturbance requiring special guidance, and similar difficulties. Incompletes must be concluded and earned grades recorded by midpoint of the semester following the
assignment of the incomplete grades. An Incomplete automatically becomes an “F” if the Registrar’s Office is not notified by the instructor that another grade has been awarded.

**Academic Warning, Probation and Dismissal**

Undergraduate degree and Special students who do not achieve the minimum cumulative grade-point average listed below receive warnings or are placed on Probation as indicated:

<table>
<thead>
<tr>
<th>On the Completion of</th>
<th>Academic Probation</th>
<th>Academic Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-23 Credit Hours</td>
<td>0-1.49 GPA</td>
<td>1.50-1.99 GPA</td>
</tr>
<tr>
<td>24-53 Credit Hours</td>
<td>0-1.69 GPA</td>
<td>1.70-1.99 GPA</td>
</tr>
<tr>
<td>54-83 Credit Hours</td>
<td>0-1.79 GPA</td>
<td>1.80-1.99 GPA</td>
</tr>
<tr>
<td>84+ Credit Hours</td>
<td>0-1.89 GPA</td>
<td>1.90-1.99 GPA</td>
</tr>
</tbody>
</table>

**Students who earn a 0.00 term grade point average will automatically be placed on Academic Probation.**

**Warning**: Academic Warning alerts students that their achievement is below the standard required for normal progress toward graduation. As a result, reduction in student credit-hour course loads may be imposed as well as restrictions on extracurricular activities. Grade deficiencies should be removed during the subsequent semester or during summer terms when possible.

**Probation**: Academic Probation signifies that students are in serious academic jeopardy. Students on probation must remove grade deficiencies during the subsequent semester or during summer sessions. Failure to do so may result in academic dismissal from the University. Students on Probation are required to carry a reduced course load and are restricted on extracurricular activities. A student on probation is required to carry a reduced load of 12 credit hours.

Students with a 0.00 term grade point average will be placed on academic probation regardless of number of credits earned and cumulative grade point average. Failure to earn a term average of at least 2.0 in the subsequent semester will result in academic dismissal.

**Dismissal**: The University will dismiss students whose GPA falls within the standards of academic probation for two consecutive semesters or terms. This policy is consistent with the ethical obligation of the University to assure that all students registered for courses can demonstrate satisfactory academic progress. Dismissal takes effect immediately upon the determination of the grades for the semester. Unless the student successfully appeals the dismissal, the period of absence must include at least one regularly scheduled fall or spring semester. Thus, subject to appeal, students dismissed at the end of the spring semester cannot register for or attend May, summer or fall courses. Students dismissed after the fall semester may not register for or attend classes in the winter or spring terms. When a full-time day student is dismissed for academic reasons, the student will not be allowed to register for Husson Extended Learning courses while the dismissal is in force.

A student who seeks a reconsideration of dismissal may appeal the decision on the grounds of extenuating circumstances and by demonstrating a reasonable prospect for academic success in the upcoming semester. The appeal should be initiated in writing and submitted to the Dean of the respective School. After reviewing the matter, which may include a meeting with the student, the Dean will provide a recommendation to the Deans’ Council for affirmation or rejection. Further appeal of the Deans’ Council decision shall be made to the Chief Academic Officer or his or her designee whose decision shall be final. When the consideration of an appeal requires immediate attention and the Dean of the School is not readily available, the Chief Academic Officer may exercise prerogative in accepting a direct appeal and rendering a final decision. A student may be dismissed from an academic program but remain in acceptable standing in the University. Students dismissed from a degree program will be assigned to special or undeclared status until they complete a change of major form.

**Repeating a Course**

Students may elect to repeat courses in which they have received a grade of “C” or below, but may not attempt a course more than three times. The newly earned grade will replace the original grade in the calculation of a student’s cumulative grade-point average, regardless of whether the new grade earned is higher or lower than the previous grade. The former grade is retained as originally recorded in the student’s transcript. Students cannot repeat a course that has been removed from the curriculum unless another course has been designated as an approved alternative for the deleted course. When a student receives a failing grade (X, F, or FW) in a topics course (usually designated by a course number X99) and seeks to repeat the course, the Dean of the School in which the course was offered may authorize a comparable course to be taken as a substitute. The grade in the designated substitute course will replace the failing grade in calculating the cumulative grade-point average.

Students are required to repeat Rhetoric and Composition courses (EH 123 (http://catalog.husson.edu/generalinformation/academicpolicies) and EH 124 (http://catalog.husson.edu/generalinformation/academicpolicies)), and, if applicable, The Writing Workshop (EH 91 (http://catalog.husson.edu/generalinformation/academicpolicies)) if they earn a grade of “C-” or lower. Students in these courses will present a portfolio of their work at the end of the semester for evaluation, to be graded “Pass” or “No Pass. A student must receive a “Pass” to receive a grade of “C” or better. Students must complete the Approaches to Literature course (EH 200 (http://catalog.husson.edu/generalinformation/academicpolicies)) with a grade of “C” or better in order to meet prerequisite requirements for any upper-level English Literature courses.

A student required to repeat a course will be charged full tuition for the course. Grades at other institutions do not replace those earned at Husson.

Students should also refer to policies of their particular discipline for further information on repeating a course.

**Academic Forgiveness**

A Husson student who withdraws from one baccalaureate program and enters another may petition the Chief Academic Officer to obtain relief from low grades. The Chief Academic Officer will consult with the Dean who has jurisdiction over the student’s new program of study. If the petition is granted, the Dean will identify courses which are unrelated to the new major and to the University’s general education requirements and in which the student earned grades of F, X, or FW. The grades from these courses will be withdrawn from the calculation of the GPA in the student’s new program of study. Relief under this policy is an option open to students only once. Should the student later seek re-admission to her or his original degree program, the grades withdrawn from the GPA calculation under this policy will be restored to reflect the student’s performance in that program.
A reentry student who previously received grades of F, X, or FW at Husson University, may petition the Provost for Academic Forgiveness if they meet the following requirements:

1. At least five years have lapsed since the last semester of attendance at Husson University.
2. The student must be enrolled in an undergraduate degree program leading to an Associate or Baccalaureate degree.
3. Prior to petitioning for academic forgiveness the student must have earned a minimum of 12 credits and maintained a GPA of 2.5 or higher with no grade lower than a "C".

The ability to petition for forgiveness of these grades is available even if the student pursues the same or similar degree. All course grades forgiven will remain on the student's transcript, but will not be calculated into the student's GPA. Academic Forgiveness for reentering students is available only once and applies solely to Undergraduate courses.

**Class Identification**

A student is usually identified as a first-year student, sophomore, junior or senior. Such a classification is applicable to the four years of regular college attendance. However, an increase in hours earned during one or more semesters or enrollment in summer sessions may result in an accelerated program. Thus, it is more accurate to designate class standing in accordance with credit hours earned plus credits accepted in transfer according to the following schedule:

- 0-23 Freshman
- 24-53 Sophomore
- 54-83 Junior
- 84+ Senior

The schedule above has no necessary relationship to the cumulative hours and required grade-point average necessary for continuing enrollment.

**Distance Education Verification of Student Identity**

In order to sustain the integrity of distance education programs, the academic community must assure that students registered for those courses are the same as those who are participating in them. Students who participate in distance education courses affirm their compliance with the University's Academic Integrity policies each time they utilize Husson's course management software. In addition, instructors and students will arrange for at least one synchronous meeting during the course at which the identity of the student can be confirmed visually or telephonically. The meetings between instructors and students will verify the student’s identity as well as reinforce learning outcomes and augment personal connection between instructors and students.

**Graduation Requirements**

Course requirements for Bachelor of Science and Associate in Science degrees are listed in the sections of this catalog devoted to each School. When the degree candidate successfully completes the curriculum for a selected program of study, he or she is recommended for a degree. Students may complete more than one concentration of study within a degree area. Candidates for a Bachelor of Science degree are required to complete a minimum of 120 semester credit hours maintaining a minimum 2.0 overall cumulative grade-point average (may be higher in select programs) and 2.0 in the professional requirements of the concentration, with at least 15 credit hours in their concentration completed at Husson University. Some programs extend into the fifth year and require substantially more than 120 semester hours to complete. Some programs may have more rigorous grade-point average requirements. A student who seeks a second or additional bachelor’s degree must complete a minimum of 30 additional semester hours at Husson beyond the requirements for the first degree and complete all requirements in the second degree area. Candidates for an Associate in Science degree are required to complete a minimum of 60 semester credit hours maintaining a 2.0 or better cumulative grade-point average, and a 2.0 in the professional requirements of the concentration, with at least 15 credit hours in their concentration completed at Husson University. A degree candidate is required to spend at least one academic year (or its equivalent) in residence as an enrolled student. Students must take their final thirty (30) credit hours at Husson University. The final thirty (30) credit hour residency requirement is waived for active duty service-members.

Students can request their transcript by filling out a paper request form, available in the Registrar’s Office, or electronically through a secure website. Transcript fees are as follows:

**Paper Requests**

- Fee per transcript requested (up to 5): No Charge
- Additional copies: $3.00
- Same-day, walk-in service: Additional $5.00

**Electronic Requests**

- Fee per transcript requested: $3.00
- Delivery Method
  - Electronic: No additional charge
  - Mail: Additional $2.00 per transcript requested
  - Overnight Delivery (w/in U.S.): Additional $25.00 per transcript requested

No transcript is issued until the student’s financial account has been paid in full.

Degrees are conferred at Spring Commencement exercises held in May. Students are encouraged to be present at Spring Commencement. Students should expect to receive their diploma 4-6 weeks after completion. No diploma is issued until the student’s financial account has been paid in full. For further information on graduation requirements for graduate degrees, please review the respective program.

**Honors**

A student carrying a full course load of 12 credit hours who has achieved the semester grade-point average listed below for the semester and completed all attempted courses in the time allotted for the semester has earned the following honor for the semester:

<table>
<thead>
<tr>
<th>Honors</th>
<th>Semester GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>President’s List</td>
<td>3.80-4.00</td>
</tr>
</tbody>
</table>
for Degree option, a student must be in good academic standing. The
may not be acceptable as transfer courses. To qualify for the Contract
at Husson, fifteen of which must be in the major. Some major courses
be able to complete a minimum of thirty of the last sixty credit hours
completing their studies because of a work assignment. The student must
waived for active-duty servicemembers, a Contract for Degree option may
must be completed at Husson University. While this requirement is
Normally, the final thirty credit hours of a student’s program of study
be approved by the Chair of the major before the student registers. The
student must file a written progress report annually with the Chair of the
major area, and all work on the degree should be completed within five
years of the time the Contract is written.

**Religious Observation Policy**

Husson University recognizes that the student body includes adherents
of many faiths, and that observance of religious holidays is an important
part of religious practice. In support of this sentiment, any student
who is unable to attend classes or to participate in any examination,
study, or course requirements on a day of observance because of his
or her religious belief, shall be provided with an opportunity to make
up the course requirements so long as the effort to do so does not
create an unreasonable burden upon the instructor, department or the
University. The student must provide advanced notice as established
in the syllabus such that the instructor has adequate opportunity to
prepare for a makeup. At the discretion of the instructor, the occasion
for making up coursework could occur prior to the examination or due
date of the assignment. No adverse or prejudicial effects shall result
from a student’s grade for the examination, study, or course requirement
on the day of religious observance because he or she relies upon these
provisions. In the case of an internship or clinical, students should refer
to the applicable policy in place by the employer or site.

**Confidentiality of Student Records**

All students and alumni are authorized access, upon presentation
of written requests, to records of their attendance, performance, and
scholastic achievement maintained by the University. In accordance
with the Family Educational Rights and Privacy Act of 1974 as amended,
regulations setting forth the procedures by which access may be
obtained, the person or persons responsible for custody of records
and the persons authorized to have access to student records have
been published. These regulations are available to interested persons
upon request. Records are maintained in accordance with federal and
state regulations. In general, after seven years beyond termination
or graduation, only transcripts of Husson courses are retained in the
Registrar’s Office.

**Contract for Degree**

Normally, the final thirty credit hours of a student’s program of study
must be completed at Husson University. While this requirement is
waived for active-duty servicemembers, a Contract for Degree option may
be available for other students who are forced to leave the region before
completing their studies because of a work assignment. The student must
be able to complete a minimum of thirty of the last sixty credit hours
at Husson, fifteen of which must be in the major. Some major courses
may not be acceptable as transfer courses. To qualify for the Contract
for Degree option, a student must be in good academic standing. The

<table>
<thead>
<tr>
<th>Honors</th>
<th>Cumulative GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summa cum laude</td>
<td>3.80-4.00</td>
</tr>
<tr>
<td>Magna cum laude</td>
<td>3.60-3.79</td>
</tr>
<tr>
<td>Cum laude</td>
<td>3.40-3.59</td>
</tr>
</tbody>
</table>

**Valedictorian/Salutatorian**

To be eligible for the award of Valedictorian or Salutatorian a student
must complete a minimum of 90 credit hours at Husson; take a minimum
of 12 credit hours per semester for at least six semesters, and complete
degree requirements within five years of matriculation. Students
matriculating in programs in which the bachelor’s degree is normally
awarded at the end of five years must complete degree requirements
within six years to qualify for valedictorian or salutatorian. The
valedictorian will be the graduating senior with the highest grade-point
average. The salutatorian will be the graduating senior with the second
highest grade-point average. The winner of the Outstanding Academic
Achievement Award will be the graduating senior with the highest
grade-point average who does not meet the eligibility requirements for
valedictorian or salutatorian. Valedictorian, salutatorian, and outstanding
academic achievement awards are based on grades on record as of
the end of the previous Fall semester. They are awarded at each May
Commencement exercise.

Dean’s List
Honors List

Husson makes several awards annually in recognition of the
accomplishments of members of the graduating class. Gold honor
cords are worn by all associates and baccalaureate-level graduates
who participate in commencement ceremonies and have achieved a
cumulative grade-point average of 3.4 or better. Special recognition is
also given to outstanding men and women of the graduating class in both
the Bachelor of Science and Associate in Science degrees. These honors
are determined by cumulative grade-point averages computed at the end
of the Fall semester. Graduation honors are as follows:

Dean responsible for the student’s major area must give permission
to develop a Contract for Degree. The Contract is to be developed with
the academic advisor and the Chair of the major program, and must
stipulate the specific courses to be completed at another institution. The
Contract process must be initiated while the student is in residence at
Husson. The specific courses to be taken at another institution should
be approved by the Chair of the major before the student registers. The
student must file a written progress report annually with the Chair of the
major area, and all work on the degree should be completed within five
years of the time the Contract is written.

**Husson University Student Complaints Policy**

Husson University promotes a community of learning that provides
access to faculty, staff, and administration. We are committed to
resolving problems experienced by students when interacting at any level
with the University. Accordingly, we want to know if you are experiencing
difficulties resulting from the University’s policies or the actions
of its employees, agents, or volunteers. The University encourages
students with complaints to seek informal resolution of the complaint
prior to initiating a formal process. An informal process involves a
direct conversation with the person who has caused the difficulty; the
conversation is conducted in a fashion that is calm and professional. All
members of the University community are expected to engage in these
conversations with an attitude of listening, understanding, and respect
for the other person regardless of the merit of the complaint. If those
involved with the complaint are unable to resolve the matter through
an informal process, or the matter is of such a nature that it cannot
appropriately be discussed with the person causing the complaint, then
the student may initiate the formal process as follows:

1. Please use the document provided at the following URL, http://
   www.husson.edu/academics/registrar/complaint-form. The
   complaint should clearly identify the circumstances, the specific
   complaint, and the desired resolution. The written document should
   also provide the contact information for the student initiating
   the complaint. Such complaints should be submitted to the
   Administrative Assistant of the Provost who will direct it to the
   attention of an appropriate University representative (e.g., Dean,
   Associate Dean, or Department Chair). The person submitting the
complaint will receive a response or update on its status within 30 days.

2. If the Department, School, or College is unable to address the issue, or it is not addressed to the student’s satisfaction, then the student may request of the Provost's Administrative Assistant that the complaint be directed to the appropriate University office or personnel for further consideration. The appeal may require further conversations with the student and the party against whom the complaint has been filed.

Matters of serious legal or consequential outcomes will be directed without delay to other appropriate venues. All matters shall be considered confidential and shall involve only the necessary parties and representatives of the University. Records of complaints and their resolutions shall be retained in such a way to respect the privacy of the complainant. Students should rest assured that their complaints will not result in retaliation. The New England Association of Schools and Colleges (NEASC) also has a procedure to receive complaints from other institutions, students, faculty, or the public against a university, including tuition and fee policies, and as related to NEASC standards, policies or procedures. Such complaints shall be placed in writing in detail by the complainant and submitted to the NEASC office. You may review the criteria for making a public comment or filing a formal complaint and download the required complaint form at https://cihe.neasc.org/information-public/comments-and-complaints. If the complaint meets the Commission’s criteria for consideration, it will be forwarded to the University’s President, who is asked to respond within 30 days. At NEASC’s next regularly scheduled meeting, the Commission may consider both the complaint and the Husson University’s response and determine whether or not further action is required. The complainant and the institution will be notified in writing of the Commission’s decision in the matter. For guidance on filing either a Public Comment or Complaint, you may email cihe@neasc.org. The policies and procedures with respect to student complaints are not meant to prevent a student from seeking immediate resolution to a matter that could result in ongoing and serious physical, emotional, or financial harm to the student or to others. Rather, they are meant to foster a productive and meaningful resolution to legitimate student concerns.

Compliance

It is the responsibility of the student to be familiar with and abide by all academic regulations, including requirements for completing the major and degree, prerequisites to be met for enrolling in certain courses, restrictions on enrollment in certain courses, and withdrawal from and repeating of courses. Failure to comply with all regulations could adversely affect the student’s status and graduation.

General Education

In the fall of 1997, the Husson University Faculty approved a new General Education Curriculum for all programs leading to the baccalaureate degree. The General Education Curriculum is organized around a set of broad personal and professional attributes that the faculty believes ought to characterize a graduate in every Husson major. These attributes are:

- Professional and technical competence in a major field of study
- Knowledge of ethical standards and skill in ethical analysis
- Knowledge of self and positive self image
- Effectiveness in communication
- Global and cultural awareness and understanding

In addition to these major attributes, the Husson Faculty expect graduates to be able to manage their own life-long learning, exhibit leadership and interpersonal skills, and know the value of service to one’s community.

The General Education Curriculum includes a set of core requirements and elective courses designed to help students develop these attributes. Every baccalaureate student must complete this set of eight core courses:

- EH 123 Rhetoric and Composition I
- EH 124 Rhetoric and Composition II
- EH 200 Approaches to Literature
- Laboratory Science
- Mathematics (two courses)
- Senior Seminar

Each student must also satisfy a set of distribution requirements through selection of appropriate electives in the following areas:

- Experiential Learning (co-op, internship, clinical, other) (1)
- Ethics (1)
- Psychology (1)
- Communications (3)
- Foreign Culture and Conversation (1)
- Fine Arts (1)
- Global Perspectives (1)

To complete the General Education requirements, students must also document learning through co-curricular and/or community service experiences.

Starting in 2012, as part of its ongoing commitment to inspiring and preparing students for professional careers in current and emerging fields within the context of an education informed by the sciences and humanities, Husson University began revising its General Education curriculum with the following goals in mind:

- Provide a more integrated experience stressing the context and connections of General Education in informing major fields of study
- Develop a greater understanding of the purpose and importance of General Education in the curriculum by students, parents, and faculty
- Better prepare students for the demands of the new century
- Create greater efficiency in the curriculum
- Provide greater choice and flexibility to students
- Continue to meet and exceed accreditation requirements
- Improve assessment of student learning outcomes and share assessment data across campus units to better inform curriculum decisions

The Faculty Forum voted to adopt the mission statement and the learning outcomes during the 2015-2016 academic year. Over the course of the 2016-2017 academic year, the General Education Task Force and General Education Committee of the Faculty Forum will be creating a new structure for Husson’s General Education program with hopes that it will take effect during the 2017-2018 academic year.

General Education Mission Statement (adopted 2015)

The mission of the general education core curriculum at Husson University is three-fold:
1. to educate students in broad, foundational knowledge encompassing their larger societies and cultures;

2. to educate students in universal and multi-faceted skills including communication, problem solving, and critical thinking

3. to open students’ minds to the life-possibilities available to them with a Husson education.

Students build upon this core as they move through their major programs by

1. using their cultural competencies to better serve their patients, employers, peers, or customers

2. applying their intellectual skills to discipline-specific studies or occupations

3. taking full advantage of social, economic, and cultural opportunities to be successful, productive members of their chosen communities.

General Education Outcomes (adopted 2016)

All General Education outcomes require “adequate breadth” by showing a “balanced regard for what are traditionally referred to as the arts and humanities, the sciences including mathematics, and the social sciences.” These outcomes require “offerings that focus on the subject matter and methodologies of these three primary domains of knowledge as well as on their relationships to one another.” NEASC Standards for Accreditation p. 8 https://cihe.neasc.org/downloads/Standards/Standards_for_Accreditation.pdf

1. Knowledge:

Students will demonstrate basic knowledge of human cultures and how those impact the individual, and the physical and natural worlds.

Students will explore, identify, explain, and apply the ways in which knowledge is created about the individual, society and the physical and natural worlds. They will identify and apply methods of quantitative and qualitative investigative research and of presentation.

2. Perspectives:

Students will be able to identify, explain, and apply a wide variety of fundamental human perspectives—global, historical, cultural, racial, gendered, social, economic, religious, political, psychological and geographical—through studies in the humanities, social sciences, arts, math, and science.

Students will integrate knowledge garnered from the course work in general education to shape their informed perspectives on global issues as well as their own lives. Such awareness will help students make intelligent assessments and choices when encountering diverse people, ideas, beliefs and cultures.

3. Thinking:

Reasoning—Students will identify, understand, and be able to use different methods of reasoning effectively.

Problem Solving—Students will rationally solve problems and make decisions through analysis and synthesis of relevant information.

Creative Thinking—Students will demonstrate capacity to analyze, synthesize, and interpret ideas and representations of human experience found in literature, philosophy, psychology and the arts in order to create and express new ideas.

4. Skills

Students will demonstrate essential college level skills associated with reading comprehension, careful interpretation of texts, clear oral and written communication, and use of technology.

Students will demonstrate capacity to gather, analyze, interpret, and articulate quantitative and qualitative information and results.

Upon completion of their general education curriculum, students will have

• Understood, interpreted, and communicated ideas and information using written, oral and visual media.

• Thought critically and creatively to solve unfamiliar problems

• Used quantitative and qualitative reasoning in a variety of general education contexts.

• Demonstrated an understanding of the history, principles, economics, psychology and politics of the United States and the wider world.

• Demonstrated an awareness of different social and cultural perspectives.

• Demonstrated proficiency in computer and information literacy.

• Demonstrated an understanding of how the social sciences describe and explain interpersonal and intrapersonal behaviors.

• Demonstrated an understanding of how the biological and physical sciences, social sciences, and humanities describe and explain the natural world.

• Identified and explained aesthetic and ethical dimensions of humankind.

Programs of Study

Husson University offers the following programs of study for undergraduate and graduate students. Some programs have specialized concentrations, and more detailed information is available in the sections of this catalog devoted to each School. The University also provides opportunities for undergraduate students to choose a minor program of study (see below). Students of Online and Extended Learning Programs should consult with the Center Director or Coordinator in their respective locations to determine which degrees can be completed on site or online.

Associate of Science

• Accounting

• Business Administration

• Business Studies

• Computer Information Systems

• Criminal Justice

• Paralegal Studies

Bachelor of Science

• Accounting

• Biology

• Biochemistry

• Business Administration

• Business and Liberal Studies

• Business and Professional Studies

• Communications Technology

• Computer Information Systems
• Criminal Justice
• Criminal Justice/ Psychology
• Data Analytics
• Educational Studies
• Elementary Education
• English
• Entertainment Production
• Environmental Science
• Exercise Science
• Forensic Science
• Health Sciences
• Healthcare Studies
• Hospitality & Tourism Management
• Legal Studies
• Liberal Studies
• Mass Communications
• Nursing
• Paralegal Studies
• Physical Education
• Psychology
• Secondary Education
• Software Development
• Sport Management

Masters
• Business
• Clinical Mental Health Counseling
• Criminal Justice Administration
• Education
• Human Relations
• Nursing
• Occupational Therapy
• Pharmacology
• School Counseling

First Professional Doctorate
• Pharmacy
• Physical Therapy

Certificate Programs
• Accounting
• Business Administration
• Counter Terrorism and Security
• Elementary Education (Pathways II)
• Entrepreneurship
• Entertainment & Design Technology
• Entertainment Production
• Graphic Design
• Paralegal Studies
• Paralegal Certificate - Advanced Civil Practice
• Paralegal Certificate - Advanced Criminal Practice
• Sales
• Secondary Education (Pathways II)

• Small Business
• Web Design
• Web Media

Dual Baccalaureate and Graduate Degree Programs
The following programs lead to a graduate degree, but are designed for entry by undergraduate students. These programs yield both a bachelor’s and a graduate degree.

• B.S. Accounting/Master of Business Administration
• B.S. Business Administration/Master of Business Administration
• B.S. Computer Information Systems/Master of Business Administration
• B.S. Criminal Justice/M.S. Criminal Justice Administration
• B.S. Healthcare Studies/Master of Business Administration
• B.S. Healthcare Studies/M.S. in Occupational Therapy*
• B.S. Hospitality and Tourism Management/Master of Business Administration
• B.S. Kinesiology/Doctor in Physical Therapy*
• B.S. Sport Management/Master of Business Administration

* Qualified individuals with a bachelor’s degree may seek admission to the third year.

Minor Programs
All students enrolled in baccalaureate degree programs have the opportunity to acquire an academic minor in addition to their major course of study. Minor programs include Accounting, Behavioral Science, Biology, Coaching, Computer Information Systems, English, History, Hospitality Management, Mathematics, Natural Science, Psychology, and Tourism and Recreation. Each minor carries a minimum requirement of eighteen (18) credit hours of prescribed course work, and no more than nine (9) credit hours transferred from another college or university can be applied to meet the requirements of a minor. For specific information, students should consult the Office of the Dean of the School offering the minor.

Dual Major
A student who seeks a second or additional major for his or her baccalaureate degree must meet all General Education requirements for the original major and complete all degree requirements for both majors. A student seeking a second major should complete a “Request for Second Major” form and submit it to his or her original advisor, the new advisor within secondary major, and the department head and dean where the new major is housed. A completed transcript evaluation must be attached and submitted along with the form to the registrar’s office.

Dual/Second Master’s Degree
If the graduate program allows, a student who seeks a second or additional graduate (Master’s) degree must meet admissions requirements, complete a minimum of 15 additional credit hours at Husson University beyond the requirements for the first graduate (Master’s) degree and must complete all required course for the second graduate (Master’s) degree.

Experiential Learning
Internships, clinicals, and practicums combine classroom theory with practical work experience. These experiential learning opportunities are available to students when business, industry, or nonprofit institutions join with the University to provide planned periods of learning while in
an employment setting. The major objective is to provide students with a career-oriented, educational program that is beneficial to both the student and the employer.

Through the blending of study and employment, students may
1. better understand classroom theory through application to a working situation;
2. clarify and define career goals;
3. evaluate chosen academic majors;
4. acquire professional experience;
5. develop maturity, self-confidence, and communication skills; and
6. defray a portion of their educational expenses.

Given the benefits from and variety of off-campus experiential learning opportunities, students are encouraged to consult with their advisors early in their time at Husson to understand the requirements for participating. Early planning is also advisable since experiential learning credits could satisfy elective requirements in certain programs of study.

Army R.O.T.C.

Army ROTC is a college elective program designed to develop individual leadership skills for either a military or civilian career. Husson students can participate in the ROTC program during freshman and sophomore college years without any military obligation. Credits from ROTC courses can be applied to traditional degree programs like business, criminal justice or nursing. Students will take classes at Husson during their first two years with some physical fitness at the University of Maine campus in Orono. Students will join with University of Maine colleagues in their third and fourth years for classes on the Orono campus.

Army ROTC gives students a wide range of experiences while you work toward your college degree. ROTC combines classroom instruction with hands-on training. The results are skills that give an edge over peers when it comes time to look for a job. Participants may gain scholarship status in their second year and graduate from ROTC as second lieutenants in the Army.

Graduate Program Policies and Information

Husson University offers a variety of programs through which students can attain a Masters Degree or First Professional Doctorate. While the following sections provide general criteria and standards, the programs relate information that is applicable to those areas of study. Students are advised to refer to those program areas and academic policies that specifically apply.

Academic Standards

Admission to a graduate program is a student’s permission to attempt graduate-level work at Husson University. Admission does not imply that Husson University guarantees that a student will necessarily graduate. Once admitted, it is up to the student to demonstrate ability to do graduate work. Those students who do not demonstrate this ability will be dismissed. In order to more fully understand the standards expected of students at the graduate level, please refer to the specific program of study.

Dual/Second Master’s Degree

If the graduate program allows, a student who seeks a second or additional graduate (Master’s) degree must meet admissions requirements, complete a minimum of 15 additional credit hours at Husson University beyond the requirements for the first graduate (Master’s) degree and must complete all required course for the second graduate (Master’s) degree.

Grading System

The system of evaluating a student’s performance in the graduate program is by letter grade. Grade-point values are the same as those appearing in the General - Academic Policies section of the catalog, with the exception that a student cannot receive a passing grade below a C.

Withdrawal

A student who withdraws must file a withdrawal notice in writing with the Registrar’s Office. Refund credits will be computed from the date that official notice is received in the Registrar’s Office. Students wishing to withdraw should first consult with administrative staff in their respective Graduate Programs. Please note, nonattendance of classes does not constitute an official withdrawal. Laboratory and application fees are not refundable.

Financial Aid

The Federal Stafford Loan Program is available for students admitted to and enrolled in the graduate program. Also available are Graduate Plus Loans. Grad Plus eligibility is based on the applicant not having an adverse credit history. These loans are administered through Husson University’s financial aid office. To become eligible, you must complete the FAFSA (Free Application for Federal Student Aid). Alternative Loan information is also available. Please contact the financial aid office for further information.

Housing

A limited number of spaces may be available in the residence halls during the academic year. Students who attend only during the summer sessions may be accommodated in a residence hall.

Off-campus rooms and apartments are available in Bangor and the surrounding communities. Living accommodations are scarce, however, so the student is advised to arrange for housing in advance of initial enrollment. All inquiries about residence hall spaces should be sent to the Dean of Student Affairs.
The College of Business

Overview:

The College of Business (COB) supports the mission and vision of the university by offering fully accredited undergraduate and graduate professional programs. We offer degrees in Accounting, Business, Information Technology, Legal Studies, Hospitality and Tourism, and Sport Management. Students interested in careers in these areas can choose from several tracks at both the undergraduate and graduate levels.

Mission:

The mission of the College of Business centers on professionalism by providing a quality, student-centric, experiential education which allows for critical, innovative, and analytical abilities to develop.

To achieve its mission, the College of Business develops and prepares the entrepreneurial leader by instilling acumen and integrity for entering the global workforce.

Accreditation:

Husson University has received specialized accreditation for its business programs through the International Assembly for Collegiate Business Education (http://iacbe.org) (IACBE) located at 11374 Strang Line Road in Lenexa, Kansas, USA. IACBE is recognized by the Council for Higher Education Accreditation (CHEA) and accredits business programs worldwide.

The following degrees in the College of Business are accredited by the IACBE:

- Master of Business Administration
- Master of Business Administration with concentrations in:
  - Healthcare Management
  - Hospitality Management
  - Organizational Management
- Bachelor of Science in Accounting
- Bachelor of Science in Accounting/Computer Information Systems
- Bachelor of Science in Business Administration
- Bachelor of Science in Business Administration with concentrations in:
  - Entrepreneurship and Small Business Management
  - Financial Management
  - Healthcare Management
  - Interdisciplinary Program of Study
  - International Business
  - Management
  - Marketing
- Bachelor of Science in Hospitality and Tourism Management
- Bachelor of Science in Hospitality and Tourism Management with concentrations in:
  - Sales and Marketing
  - Small Business Entrepreneurship
- Bachelor of Science in Sport Management

Accelerated (4+1) degree options:

- Bachelor of Science in Accounting/Master of Business Administration
- Bachelor of Science in Business Administration - Entrepreneurship and Small Business Management/Master of Business Administration
- Bachelor of Science in Business Administration - Financial Management/Master of Business Administration
- Bachelor of Science in Business Administration/MBA
- Bachelor of Science in Business Administration - Interdisciplinary Program of Study/Master of Business Administration
- Bachelor of Science in Business Administration - International Business/Master of Business Administration
- Bachelor of Science in Business Administration - Management/Master of Business Administration
- Bachelor of Science in Business Administration - Marketing/Master of Business Administration
- Bachelor of Science in Hospitality and Tourism Management/MBA
- Bachelor of Science in Sport Management/MBA

Amanda Bourgoin 2006
B.A. St. Bonaventure University
M.B.A. Wayne State
Margaret Campbell 2012
B.A. University of Maine
J.D. University of Maine School of Law
Cristanna Cook 1991
B.S. University of Maine
M.S. University of Maine
Ph.D. University of Maine
Robert Duron 2005
B.B.A. Texas A&M University Commerce
M.S. University of Texas
Ph.D. Capella University
Richard Fabri 2012
B.S. Northeast University
M.S.Ed. University of Miami
Ph.D. (c) University of Maine
Thomas Fitzpatrick 2012
B.A. Concordia University
M.S. American Graduate School of International Business
D.B.A. Southern New Hampshire University
Belinda Wee 2012
B.S. Purdue University
M.A. University of Minnesota
Ph.D. University of Minnesota
J. Douglas Wellington 2002
B.A. University of Pennsylvania
M.B.A. New York University & M.B.A. Wharton Graduate School & L.L.M.
New York University
J.D. Rutgers University
Alicia Wilcox 2011
B.S. National University of Ireland
M.S. University of Strathclyde & M.S. Husson University
Ph.D. (c) University of Dundee
Gerald Wright 2006
B.S. University of Cincinnati
Ph.D. Capella University

Undergraduate Programs in College of Business

Accounting
• B.S. Accounting
• B.S. Accounting/Master of Business Administration
• B.S. Accounting/Computer Information Systems
• A.S. Accounting
• Certificate Accounting
• Accounting Minor

Business Administration
• B.S. Business Administration
  • Concentrations:
    • General
    • Entrepreneurship & Small Business Management
    • Financial Management
    • Healthcare Management
    • Individualized Program of Study (IPS)
    • International Business
    • Management
    • Marketing

• B.S. Business Administration/Master of Business Administration
  • Concentrations: (for undergraduate degree)
    • General
    • Entrepreneurship & Small Business Management
    • Financial Management
    • Healthcare Management
• International Business
• Individualized Program of Study
• Management
• Marketing

• Concentrations: (for graduate degree)
  • General
  • Healthcare Management
  • Hospitality and Tourism Management
  • Organizational Management

• A.S. Business Administration
• A.S. Business Studies
• Certificate Business Administration
• Certificate Entrepreneurship
• Certificate Sales
• Certificate Small Business Management

Business and Liberal Studies
• B.S. Business and Liberal Studies

Business and Professional Studies
• B.S. Business and Professional Studies

Computer Information Systems
• B.S. Computer Information Systems
• B.S. Computer Information Systems/Master of Business Administration
• B.S. Software Development
• A.S. Computer Information Systems
• CIS Minor

Criminal Justice
• B.S. Criminal Justice
• B.S. Criminal Justice/B.S. Psychology-MHRT-C
• B.S. Criminal Justice/M.S. Criminal Justice Administration
• A.S. Criminal Justice
• Certificate Counter Terrorism and Security (undergraduate and graduate)

Forensic Science
• B.S. Forensic Science

Hospitality & Tourism
• B.S. Hospitality & Tourism Management
  • Concentrations:
    • Sales and Marketing
    • Small Business/Entrepreneurship

• B.S. Hospitality & Tourism Management/Master of Business Administration - Hospitality & Tourism Management
• Hospitality Minor
• Tourism and Recreation Minor

Legal Studies
• B.S. Legal Studies - Pre-Law

Paralegal Studies
• B.S. Paralegal Studies
• A.S. Paralegal Studies
• Certificate Paralegal Studies
• Certificate Advanced Civil Practice
• Certificate Advanced Criminal Practice

Sport Management
• B.S. Sport Management
• B.S. Sport Management/Master of Business Administration
• Coaching Minor
• Tourism and Recreation Minor

College of Business Transfer Credit Policy
For undergraduate programs, transfer credits for courses offered in disciplines which are part of the College of Business more than ten years from the time of application may not be transferable. All transfer credits will be reviewed by Directors of the Schools within the College of Business individually.

College of Business Academic Progression and Dismissal Policy

Course Repetition, Progression, and Academic Risk Status

• Academic Risk
  • A student who must retake one or more courses as detailed below will be placed on The College of Business Academic Risk List.
  • Once a student is notified they have been placed on this list they must meet with their advisor within five days to develop a plan to retake the course(s) and to discuss what resources are available to them and the consequences of earning further unsatisfactory grades.
  • Students who successfully remediate their course(s) will be removed from academic risk status.

• Course Repetition and Progressions
  • A student must retake any course for which an F grade was earned. Should an F grade be received in elective that course should be retaken if possible. Should it not be possible a different elective can be taken but the grade received would still be averaged with the failing grade.
  • Students must successfully complete the required core course (identified on the curriculum sheet with an asterisk) with a C or better.

Academic Dismissal
A student may be subject to academic dismissal from their respective School if they fail any of the required core courses twice. The Director of the School will make a decision regarding the Academic Dismissal after review of all the materials on the academic risk and/or course progression policy.
Students who are dismissed from their respective School in the College of Business for academic reasons may appeal in writing within 10 days of the receipt of the dismissal to Dean of The College of Business. The Decision of the Dean is final.

Comprehensive Exam
Students who complete all of the course requirements for an Associate degree in the College of Business will be required to complete a comprehensive examination prior to graduation. Upon petitioning to graduate, students who are completing only Associate degrees will receive a notice of how to take the comprehensive examination. Those students who are co-enrolled in a Bachelor degree or plan to continue to the Bachelor degree program in the next semester, will take the comprehensive examination at the end of their Bachelor degree program.

Programs in Accounting
Husson Accounting majors begin their study of accounting in their first year, and then progress through a series of advanced courses that provide in-depth exposure to all aspects of the profession. Faculty are experienced practitioners who combine practical knowledge with up-to-date theory in their teaching. Small class size ensures that students receive the attention they need to do their best. These unique aspects of the Husson Accounting Programs produce graduates who are well trained and ready to enter the profession.

Requirements for Accounting Majors
All Accounting majors must earn an overall 2.0 cumulative grade-point average as well as a 2.0 in their Ac prefix courses. In addition, transfer students must complete a minimum of 15 credit hours in Ac prefix courses at Husson.

AC Courses
AC 120. Introduction to Accounting. 3 Hours.
This course is for nonaccounting majors and introduces the student to accounting principles and concepts. Emphasis will be placed on completion of the accounting cycle, cash control, and payroll accounting.

AC 121. Principles of Accounting I. 3 Hours.
This introductory course covers fundamental principles and procedures of accounting. It is designed to meet the needs of business students as well as the accounting major. Emphasis is on developing the technical procedures of the accounting cycle including journalizing, posting, recording adjusting entries, understanding merchandising accounting, and preparing financial statements. Students are also introduced to cash control and financial statement analysis.

AC 122. Principles of Accounting II. 3 Hours.
A continuation of the study of basic accounting principles and procedures, the course includes receivables and payables, fixed assets, intangibles, natural resources, inventory methods, payroll accounting, and special journals and subsidiary ledgers. Students are also introduced to the partnership and corporate form of organization. Projects are incorporated into the assignments. Prerequisite(s): AC 121.

AC 201. Intermediate Accounting I. 3 Hours.
The first accounting course at the professional level for the accounting major, this course begins with a comprehensive review of basic accounting principles and financial statement preparation. The course provides an intensive study of the concepts of future and present value, current assets and current liabilities, the various methods of inventory accounting and costing, plant assets and intangible assets. Prerequisite(s): AC 122.

AC 202. Intermediate Accounting II. 3 Hours.
This course continues the in-depth study of accounting topics in financial accounting, including accounting for income taxes, long-term investments, and long-term liabilities. An intensive study is made of the statement of cash flows and accounting for all phases of corporations including formation, retained earnings, dividends, convertible securities, and earnings per share. Prerequisite(s): AC 201.

AC 211. Managerial Accounting. 3 Hours.
Managerial accounting involves the use of accounting information to make business decisions. Topics covered include cost concepts, cost-volume-profit relationships, capital budgeting, master budgets, cost variances and present value analysis, as well as financial statement analysis. Prerequisite(s): AC 121.

AC 251. Accounting Internship. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 252. Accounting Internship II. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 253. Accounting Internship III. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 254. Accounting Internship IV. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.
AC 255. Accounting Internship V. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 256. Accounting Internship VI. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 301. Advanced Accounting I. 3 Hours.
Advanced Accounting I deals with advanced and specialized topics in financial accounting. An in-depth study is made of accounting for pensions and leases and of accounting for partnerships, including formation and operation, dissolution, and liquidation. The course also provides an introduction to such specialized topics as foreign operations, governmental and fund accounting, accounting changes, and error correction. Prerequisite(s): AC 202.

AC 302. Advanced Accounting II. 3 Hours.
Advanced Accounting II concentrates on an in-depth study of business combinations and the equity method of accounting for a subsidiary on the parent’s unaudited consolidated statements. Accounting for business combinations by the purchase method is covered and the preparation of consolidated statements is emphasized with a thorough treatment of eliminations of intercompany transactions. Currently developing advanced topics are also covered as time permits. Prerequisite(s): AC 202.

AC 331. Cost Accounting. 3 Hours.
Topics covered include basic cost control concepts, manufacturing statements, accounting for material inventory, factory overhead costs, job order costing, process costing, activity based costing, and process costing. Students are also introduced to cost estimation methods and cost-volume-profit analysis. With assigned projects, budgeting and variances are studied, along with decision-making models. Prerequisite(s): AC 122.

AC 352. Forensic and Investigative Accounting. 3 Hours.
This course covers important topics associated with modern forensic and investigative accounting. Topics include fraud auditing, litigation support, valuation, cybercrime, and other key forensic topics. The objectives include understanding the principles and practices used by public accountants, internal auditors, and others used to examine financial and related information. Prerequisite(s): AC 202.

AC 371. Accounting Information Systems. 3 Hours.
This course explores information systems that provide accounting and other information to make effective and efficient decisions. Emphasis is given to the interaction between the systems analyst, the financial accountant, the internal auditor, the external auditor, and other decision-makers. Overall data flow in systems is studied with an emphasis on flow and logic concepts and designing appropriate internal controls for these systems. Prerequisite(s): AC 122 and MI 111.

AC 441. Federal Taxation I. 3 Hours.
The student is introduced to the basic theory of taxation, particularly as it deals with the individual. Among the topics examined are the computation of gross income, gains and losses, sales and exchanges of property, and various business and personal deductions. Prerequisite(s): AC 122.

AC 442. Federal Taxation II. 3 Hours.
The taxation of corporations, partnerships, and estates and trusts is examined in-depth, along with other selected topics related to taxation of the business entity. Also covered are estate and gift transfer taxes with time devoted to family tax planning, international taxation, and the taxation of exempt organizations. Prerequisite(s): AC 122.

AC 461. Auditing Concepts and Methods. 3 Hours.
The responsibilities of the auditor are examined in-depth in respect to the client, the firm and the public. The course includes a study of ethics, auditing standards and development techniques of the audit program, and the auditor's report. An extensive case study is also required. Prerequisite(s): AC 202.

AC 471. Accounting for Nonprofit Organizations. 3 Hours.
This course consists of the study of fund accounting and the financial statements of state and local governments, hospitals, universities and other nonprofit entities. General financial principles and fund accounting principles are compared. Specific topics covered include budgets for operations, capital improvements, general funds, revenue funds, debt service funds, trust and agency funds, and proprietary funds. Prerequisite(s): AC 202.

AC 483. Financial Acctg & Reporting Adv Problems. 3 Hours.
This course covers current official pronouncements and procedures accepted by the AICPA and the FASB. Comprehensive in depth and inter-area problems are explored and solved; topics include accounting theory, pensions, leases, inventories, current assets and current liabilities, fixed assets, deferred taxes, stockholders' equity, foreign currency transactions and translations, investments, and partnerships. Prerequisite(s): AC 301 and AC 302 and AC 331 and AC 441 and AC 442 and College Level=Senior.

AC 484. Acctg & Reprtg & Consolidation Adv Problems. 3 Hours.
This course covers current official pronouncements and procedures accepted by the AICPA, the IRS, the FASB, the GASB and the Cost Accounting Standards Board. Comprehensive in depth and inter-area problems are explored and solved. Topics include: consolidations, cost accounting, accounting for governmental and nonprofit organizations, and individual and corporate taxes. Prerequisite(s): AC 301 and AC 302 and AC 331 and AC 441 and AC 442 and College Level=Senior.

AC 499. Accounting Seminar. 3 Hours.
The instructor and the student develop the subject matter of this course. The material covered consists of current issues and developments and must be relevant to the accounting field.

BA Courses

BA 101. Introduction to Business. 3 Hours.
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.
BA 111. Economic Geography. 3 Hours.
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchise and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or ( Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).
BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 142 or MS 140 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 356. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 357. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 361. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.
BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student’s choice summarizes the student’s knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate, Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship I: New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.
BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/ 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.
BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student's experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decision and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.
BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization’s approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student’s preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator’s decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student’s personal preferences with regard to location and types of property. However, the student’s preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.
BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students’ awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzes, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.
BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

CJ Courses

CJ 101. Intro to Justice & Pub Safety. 3 Hours.
This course introduces students to the social reality of crime, criminal behavior, and law as each of these relates to the criminal justice system. Students examine the role of law enforcement, prosecution, defense, court system, corrections, and juvenile justice at various levels. Students are challenged to expand both their knowledge and appreciation of the criminal justice system through arranged visits to courts, detention facilities and working law enforcement agencies.

CJ 190. The Science of Fingerprints. 3 Hours.
This course will allow students to examine every facet of the discipline, from the history of friction ridge identification and its earliest pioneers and researchers, skin growth in the embryo, structure of skin, scarring and histology, the chemistry of sweat and other secretions, to the scientific basis and the various steps of the identification process.

CJ 215. Police Operations. 3 Hours.
This course deals with everyday problems, situations and operations of the police department and the police officer. Included in the course is the study of many jobs and applications of duty in the police service. The course is a study of the patrol officer’s function, with a background investigation of the total organization. The use of staff deployment, tactical operations, and the use of various equipment are discussed in some detail during the course with an emphasis on how operations and equipment are changing. Prerequisite(s): CJ 101.

CJ 221. Criminalistics. 3 Hours.
This course will focus on the recovery, documentation and laboratory analysis of physical evidence found at the scene of a crime. The course covers the principles of effective crime scene management as well as what information can be obtained from particular pieces of physical evidence as a result of laboratory study. The laboratory analysis of the following will be covered: glass, soil, organic and inorganic substances, hairs, fibers, paint, drugs, poison, arson and explosive evidence, serology, DNA, fingerprints, firearms, tool impressions, miscellaneous impressions, photography, document and voice examinations. Prerequisite(s): CJ 101.

CJ 225. Criminal Procedure. 3 Hours.
This course is designed to teach the background and current information regarding arrest, search and seizure. It explores the development of standards in this field, through constitutional law, state law, concepts and interpretation, limitations of police powers, probable cause, and the suppression hearing.
CJ 235. Criminology. 3 Hours.
This course is intended to introduce and review the sociological perspective as it is applied to the themes of crime, criminality and the individual offender. Specifically, criminological theories of social process, social structure and social conflict will be explored in conjunction with views on developmental and trait-based perspectives to illuminate the social underpinnings of crime in modern society. Each particular viewpoint will be applied to the understanding of broad categories of criminal behavior and activity, including but not limited to: violent crime, property crime, public order crimes, organized crime, and white collar offenses. Additionally, the criminal justice system and its component structural and procedural parts will be reviewed to provide the student with an enhanced awareness of the social aspects of criminal behavior and its impact for law-making and enforcement. Prerequisite(s): CY 111 and (SY 201 or SY 222).

CJ 290. Psychology and the Legal System. 3 Hours.
Students will explore the movement of criminal defendants through the legal system in light of various clinical necessities, including but not limited to: Competencies to offer testimony, as well as to be sentenced and excused; jury selection; and the identification and evaluation of criminal suspects. Additionally, emphasis will be placed upon the psychology of victimization. Prerequisite(s): CY 101 and CJ 225 and CY 111.

CJ 301. Critical Skills. 3 Hours.
This course is intended to introduce and review the basic law enforcement skills of self defense and control. Specifically, students will learn and practice the important elements of establishing control of situations using verbal, nonverbal and physical techniques as complementary intervention options. Strategies to manage the initial encounter will be discussed in regard to proper stance, appropriate social distance, authoritative body language and the use of verbal diffusion. The physical element of encounters will be reviewed and practiced to provide the student with a practical knowledge of techniques including, but not limited to: deflection, strikes and counters, takedowns, and ground control of a combative individual. The above skills will be expanded upon to provide the necessary understanding of other control systems such as proper use of handcuffs, baton, and chemical products to establish control. The focus on practical skills will be reviewed within the context of the use of force continuum ranging from verbal redirection to deadly force. Prerequisite(s): CY 101 and CY 215.

CJ 302. Advanced Critical Skills. 3 Hours.
This course is intended as a continuation of the psychological and physical applications of critical skills (police physical restraint and control). Through a series of steps, the student will reinforce the basics, enhance the flow of technique and finally though situational training strengthen and secure psychological and physical technique to specific calls and events. The focus on practical skills will be reviewed within the context of the use of force continuum ranging from verbal redirection to deadly force. Prerequisite(s): CJ 301.

CJ 305. Motor Vehicle Law. 3 Hours.
This course is intended to introduce and review motor vehicle law as relates to the enforcement of those statutes concerned with moving violations. The student will also be introduced to the principles and procedures of identification and investigation of motor vehicle infractions. Specifically, topics will be presented ranging from vehicle stops and pursuit driving to operating under the influence and traffic-related fatalities, including homicide. Students will gain an in-depth understanding of accident and hit-and-run investigation, as well as an overview of providing testimony in the courtroom. Each aspect of enforcement and investigation will thereby contribute to an appreciation of the complexities of police responsibilities regarding the monitoring and control of traffic movement. Prerequisite(s): PL 200.

CJ 307. Community Policing. 3 Hours.
This course is intended to introduce and review the basic principles of community policing strategies in contemporary society. The importance of enhanced law enforcement-community relationships will be discussed in relation to the benefits to the citizenry as well as enhanced relations with community stakeholders such as schools, businesses and religious institutions. Specifically, the student will be expected to gain an appreciation of the police officer as a community member who works collaboratively with private citizens to analyze, evaluate and respond to crime. This focus on cooperative problem-solving will be further explored in regard to how strategic partnerships between law enforcement and the community can positively impact criminal acts, fear of crime and social disorder. Prerequisite(s): CJ 215.

CJ 309. Constitutional Law. 3 Hours.
This course will explore the First, Second, Fourth, Fifth, Sixth, Eighth and Fourteenth Amendments of the Constitution through reading of case law and real life examples. Students will understand the arguments that exist for persons involved in civil and criminal matters from the Constitution. Prerequisite(s): CY 225.

CJ 310. Mod Penology and Corrections. 3 Hours.
This course offers an in-depth familiarity with the key readings in the history and sociology of incarceration. Topics include: theories of incarceration, sentence determination, with emphasis on the controversy over the federal guidelines, history of our incarceration system, inmate and staff perspectives on incarceration, special category inmates such as mentally ill, rape victims, death row inmates, and juvenile offenders, the death penalty, and the community supervision movement. The course concludes with an examination of the new technologies of incarceration. Prerequisite(s): CY 101.

CJ 315. Juvenile Justice. 3 Hours.
This course covers the institutional response to the problems of juvenile delinquency, juvenile misconduct and dependent/neglected and abused children. It emphasizes the police, court, and correctional agencies that process young people. In addition, it devotes attention to an understanding of the history of the system, recent legal developments, and an assessment of current proposals for reform. Prerequisite(s): CY 101.

CJ 330. Ethics in Criminal Justice. 3 Hours.
This course will offer the student an examination of ethical systems as they relate to moral beliefs and professional behavior in law enforcement. Students will discuss how ideology and belief systems, whether liberal, moderate, or conservative affects criminal justice policy making and the day-to-day functioning of criminal justice agencies. As an exercise, students will apply ethical decision-making models to real world scenarios. Additionally, the course will include thirteen objectives that the student will be expected to master extending from a code of ethics for police to major rationales for punishment. Prerequisite(s): CY 101.
CJ 333. Computer Forensics. 3 Hours.
This course will focus on the investigative use of computer technologies and electronic records. Students will be exposed to “digital evidence” and the valuable information it can provide to investigators. The course will have a two-tier approach. (1) Students will be shown how to extract readily decipherable information from someone’s computer such as looking for at their files or their browser history of web sites visited. Even if the information is password protected or has been deleted it might still be recoverable. (2) The course will examine criminals who use computers and the Internet to commit various crimes ranging from trying to lure children into chat rooms or face-to-face meetings to every sort of financial fraud. This course is intended to address a growing need in law enforcement. Prerequisite(s): Major=BS Comp Info Systems or Major=BS Criminal Justice.

CJ 335. Report Writing and Testifying. 3 Hours.
This course is designed to teach students how to write police reports, search warrants and affidavits. Topics studied will include: the SEE method; legal concepts of reasonable articulable suspicion; probable cause to arrest; determination of custody for purposes of Miranda; and testifying effectively in court. Prerequisite(s): CJ 101 and CJ 225 and PL 200.

CJ 337. Interviewing and Interrogation. 3 Hours.
This course will focus on interviewing skills and techniques, both from a practical and legal perspective. Primary attention will be given to what needs to be done to satisfy the legal standards of voluntariness of admissions and confessions. Fifth and Sixth Amendment law will be thoroughly reviewed and discussed. The course will prepare students to conduct effective interrogations, and document the interrogation in a manner that will withstand later legal challenges. Prerequisite(s): CJ 101 and CJ 225 and PL 200.

CJ 341. Investigations. 3 Hours.
This course covers both private and public investigations as well as the practice and application to criminal investigations. It stresses the professionalism and modern investigation tools as it covers established investigation policies, procedures, and techniques for the law enforcement officer. Recent court cases and investigations are thoroughly reviewed and discussed. The course will provide students to conduct effective interrogations, and document the interrogation in a manner that will withstand later legal challenges. Prerequisite(s): CJ 101 and CJ 225 and PL 200.

CJ 345. Comparative Criminal Justice. 3 Hours.
This course is intended to introduce and review the basic theoretical, cultural and practical applications of criminal justice systems in other parts of the world. American criminal law and procedure will be discussed to provide a comparative reference point for the variations in systems and practices across differing cultures in other nations. Additionally, the course will provide students with an understanding of the roles of social control mechanisms such as police, judiciary and correctional institutions outside of the U.S. Prerequisite(s): CJ 101.

CJ 399. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in criminal justice that would not normally be a part of the Husson curriculum. As such the topics will depend of the interests of students and faculty.

CJ 400. Evidence. 3 Hours.
This course will present the basic principles of the law of evidence as expressed in the Federal Rules of Evidence and the Maine Rules of Evidence. The student will develop the ability to read and apply a rule of evidence to specific information and circumstances. An emphasis will be placed on learning how the Federal & Maine Rules of Evidence affect trial preparation, negotiation, and trial. Participatory role play and discussion of hypothetical situations will constitute a significant part of the learning experience. Prerequisite(s): Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Criminal Justice or Major=BS Paralegal or Major=BS English - Prelaw.

CJ 401. Civil Liability in Law Enforcement. 3 Hours.
This course will provide students with a historical overview and current trends in civil litigation against law enforcement as well as describing the varying types of liability that exist under the law. Students will study the defenses to liability claims made against law enforcement. Liability claims will also be examined from the administrator’s point of view including claims of failure to train and failure to supervise. Use of force and section 1983 claims will be examined in detail as the main claims against law enforcement. Prerequisite(s): CJ 101.

CJ 402. Perspectives in Terrorism. 3 Hours.
This course will analyze aspects of historical and current extremism and terrorism which will be related to contemporary domestic and international terrorism issues. The course will cover sophisticated theories developed by analysts around the world to investigate paramilitarism, white supremacy groups, hate groups, religious fundamentalism, and foreign terrorist groups which may pose a threat to United States interests. The special topic analyzed is not a regular course offering of the social sciences department. Since the topic covered in this class differs from year to year, students should seek further information from the instructor before registering regarding the particular topic that will be analyzed. Possible topics to be analyzed include: the ancient roots of terrorism, motivation of terrorists, the current vulnerability of modern democracies, and global jihad.

CJ 403. Domestic Violence Law. 3 Hours.
This course introduces domestic violence law from an interdisciplinary perspective and offers a contemporary view of the criminal justice experience with diverse populations and forms of violence. Topics will include violence perpetrated in a variety of age and gender relationships including: dating violence, sibling abuse, rape and incest, child and elder abuse and neglect, male battering, violence within the lesbian and gay communities, and violence against women. Students will also be expected to master current State of Maine and federal statutes relating to domestic violence. Prerequisite(s): PL 100 or CJ 101.

CJ 404. Cults. 3 Hours.
This course is intended to introduce and explore the structure and psychology of totalistic cultic organizations. Students will examine the key differences between conventional religious movements, splinter sects and cults to better understand the differences among varied faith-based organizations. Cults will be viewed both from historical and contemporary viewpoints in regard to recruiting practices, thought reform and control, personal and social consequences of cult membership, and the unique challenges that such groups pose for law enforcement. Additionally, students will review the clinical precursors which may predispose an individual to cultic persuasion and indoctrination, as well as the psychological consequences of membership. The course will rely heavily upon a detailed case study format which will scrutinize selected cult leaders/groups and allow students to apply theoretical knowledge to particular historical events and figures. Prerequisite(s): PY 332 or PY 232.
CJ 405. Crime & Literature. 3 Hours.
This course is intended to introduce several works of classical and modern literature which have incorporated the use of crime or criminality as a central theme. Students will be required to read from works of short fiction and novels as a means of preparing for discussion and analysis of core elements. Additionally, the various experiences of the individual criminal will be considered in light of those factors which may have an impact on the development of crime as a situational or social phenomenon. Required sources may include, but not remain limited to: Ernest Hemingway, Arthur Miller, William Faulkner and Truman Capote. Prerequisite(s): EH 200.

CJ 406. Victimology. 3 Hours.
This course will focus on the forgotten member of the criminal dyad: the victim. The purpose of this course is to introduce students to these developments and to alert them to ongoing victim-related issues. The goals of the course will include: Introducing the student to the development of the field of victimology; Delineating the conceptual boundaries of victimology; Familiarizing the student with basic concepts and literature within various sub-areas of victimology; Exploring policy developments and practical applications that stem from this concern over victims; and Assessing the progress away from a criminal justice system towards achieving a victim justice system. Prerequisite(s): CJ 235.

CJ 407. Advanced Community Policing. 3 Hours.
In this practicum based course, students will establish partnerships with relevant community members to identify problems related to the incidence of crime and social disorder. Students will engage in a collaborative problem solving exercise which will illustrate the enhanced ability of communities to prevent crime and disorder through cooperative and reciprocal relationships between police and citizens. Prerequisite(s): CJ 307.

CJ 408. Serial Homicide. 3 Hours.
This course is intended to introduce and explore the phenomenon of repetitive, intrinsically motivated homicide utilizing both clinical and law enforcement perspectives. Primary behavioral and crime scene characteristics of both organized and disorganized types of offenders will be reviewed to explain the incidence of serial homicide as a function of motivational factors ranging from sociopathy to severe psychiatric disturbance. The varied typologies and classification systems for serial murderers will be presented as a means of discussing issues ranging from victim selection to law enforcement investigative responsibilities. The course will rely heavily upon a detailed case study format which will scrutinize the crimes of key selected offenders and allow students to apply theoretical knowledge to particular serial perpetrators. Prerequisite(s): PY 332 or PY 232.

CJ 409. Criminal Profiling. 3 Hours.
This course is intended to introduce and review the basic theoretical and practical applications of criminal profiling techniques. Specifically, the student will be introduced to concepts including, but not limited to: the uses of criminal profiling; crime scene evaluation and reconstruction; criminal motivation and offender characteristics; modus operandi and offender signature; psychopathic and sadistic behavior; behavioral aspects of fire-setting; serial offenses, including rape and homicide. Students will explore varied offense behaviors and their psychological underpinnings to develop an understanding of the role of behavioral analysis of evidence in critical investigations. Prerequisite(s): PY 332 or PY 232.

CJ 410. Criminal Justice Internship. 3-9 Hours.
In this experiential course, the student serves as an intern with a criminal justice professional in a work setting. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional, and the internship director. The experience may be multidisciplinary, but should have a strong criminal justice element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): College Level=Junior or College Level=Senior.

CJ 412. Homeland Security. 3 Hours.
This course of study relates principle aspects of terrorism and how it affects our communities. This course compiles information from programs available on the national level that pertain to terrorism and the law enforcement officer's response to these types of incidents. The instruction is designed to provide the student with an understanding of the key role of first responder in their response to a suspected terrorist incident.

CJ 414. Counterterrorism and Counterinsurgency. 3 Hours.
This course introduces students to the topics of counterterrorism and counterinsurgency. A variety of concepts, theories, and methodologies will be examined in an effort to better understand what drives violent jihadism and global terrorism. Students will learn about policies, strategies, and tactics designed to counter the global threats currently posed during the terror age, and the operational and political risks of government action or inaction.

CJ 415. Corporate Security. 3 Hours.
Security has entered a new era since the events of 9/11 and this course focuses on the impact of these events on Corporate Security. Risk assessment models and proactive strategic planning concepts will be discussed drawing from actual cases. Students will also learn the importance of working from measurable metrics and business needs rather than unproven assumptions.

CJ 416. Global Jihad and Radicalization. 3 Hours.
This course will focus on the rise of radical Islam beginning in the late 20th century with the Mujahideen in Afghanistan and the Muslim Brotherhood in Egypt, through the 21st century with the emergence of Al Qaeda, Taliban, Boka Haram and ISIS. The course will examine methods, practices and global ambitions of these groups. Additionally attention will be given to the global ambitions for the creation of an Islamic caliphate and its implications for the modern world. The process and dynamics of Islamic fundamentalist radicalization will be explored in terms of how and where it occurs and how it can be prevented. Extensive use will be made of multimedia images of historical and current events.

CJ 420. Leadership in Police Organizations I. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 421. Leadership in Police Organizations II. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.
CJ 435. Management & Criminal Justice. 3 Hours.
This course examines the application of modern management theory and technique to the criminal justice system. It emphasizes the unique nature of the criminal justice community and the complex relationships, which are necessary to make it efficient and effective. Topics covered include: hiring, developing personnel; managing budgets, dealing with public sector unions; discipline and problem behaviors; complaints and grievances; stress and time management; performance appraisals; deploying human resources; and emerging trends in criminal justice management. Prerequisite(s): CJ 215.

CJ 445. Criminal Justice Capstone. 3 Hours.
This course is designed to synthesize the information and insights from other courses in the Criminal Justice Curriculum. It includes research in crime trends and causes, scholarly research, and an assessment of each student's knowledge and understanding of the essential elements of the criminal justice system. This Capstone Course will focus on pragmatic application of principles and theories which guide Criminal Justice practice in the United States. Prerequisite(s): CJ 225 and PL 200.

CJ 490. Forensic Psychology. 3 Hours.
This course will introduce and review the basic theoretical and practical applications of forensic Psychology in our society. The student will be introduced to concepts in the field that directly impact or influence law enforcement and the judicial system. Concepts will range from the uses of criminal profiling, risk assessment of violent behavior and interrogation to custody, competency and discrimination determinations. Students will gain an in-depth understanding of each core topic as well as an appreciation for how each contributes to the broader domain of the criminal justice system. Prerequisite(s): (PY 332 or PY 232) and (College Level=Junior or College Level=Senior).

CJ 491. Forensic Science I. 4 Hours.
This course builds on the scientific knowledge and analytical skills developed in the prerequisite science courses and laboratory work. The student will apply scientific principles and use current laboratory instrumentation to compare and distinguish between typical forensic evidence items. Students will become familiar with microscope examinations of trace evidence including soil, fibers and hairs, forensic serology and screening, DNA typing, bloodstain pattern analysis and toxicology. Topical discussions and lectures will be supplemented by scheduled field trips and guest speakers from the forensic science community. Prerequisite(s): SC 191 and SC 192 and SL 191 and SL 192 and SC 241 and CJ 221 and CJ 330 and SC 224.

CJ 492. Forensic Science II. 4 Hours.
This course builds on the scientific knowledge and analytical skills developed in the prerequisite science courses, laboratory work and Forensic Science I course. The student will build on their understanding of the properties of organic and inorganic compounds and apply these to analysis of typical forensic science samples. Students will analyze drugs, inks and dyes, explosives, fire debris samples. Forensic document examination, fingerprint development and bullet comparisons will be conducted. Scientific reports will be written for each specific forensic discipline. Topical discussions and lectures will be supplemented by scheduled field trips and guest speakers from the forensic science community. Prerequisite(s): CJ 491.

CJ 493. Forensic Seminar. 4 Hours.
This course is the capstone of the bachelor's degree in forensic science. The course will draw on the knowledge acquired throughout the previous seven semesters. The course will guide students through correct processing and sequencing of processing of evidence at the crime scene and in the laboratory. Particular attention will be placed on understanding the pros and cons, false negatives and false positives, cross reactions and potential for cross contamination in analyzing and testing evidence items. Students will learn various techniques for describing scientific principles in layman's terms. The course will finish up with a mock trial at the end of the semester, giving the student the chance to experience direct and cross examination. During the course of the semester the class will sit for the International Association of Identification (IAI) crime scene technician certification. This will give the students the opportunity to acquire international certification and well as earn the degree. Prerequisite(s): SC 103 and SL 103 and SC 241 and SL 241 and CJ 221 and CJ 330 and SC 224 and CJ 491.

CJ 496. Concepts and Issues in CJ. 3 Hours.
This course provides a broad overview and critical examination of criminal justice topics. Commentary on these issues is written by experts in fields such as crime and justice and America, American law enforcement, the court system, juvenile justice, corrections, and the future of justice in America. Students will be required to meet nineteen course objectives and will be expected to read and comprehend a series of essays and subsequently research current events related to the CJ topics. An additional requirement will be student-led class discussion on an assigned topic area over the course of the semester. Prerequisite(s): (College Level=Junior or College Level=Senior) and (Major=BS Criminal Justice or Major=BS Psychology - Crim Justice).

CJ 498. Basic Law Enforcement Training. 15 Hours.
Taught at the Maine Criminal Justice Academy, this 18-week course is designed to qualify a student as a Maine law enforcement officer. The Academy program tests a student's ability and willingness to assume the complex and challenging responsibilities of a modern law enforcement officer in keeping the peace, protecting state and federal constitutional rights and enforcing the law.

CJ 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in criminal justice that would not normally be a part of the Husson curriculum. As such the topics will depend on the interests of students and faculty. Prerequisite(s): (College Level=Junior or College Level=Senior).

CJ 700. Introduction to Criminal Justice Administration. 3 Hours.
This course provides an analysis and overview of the theories of organization and the administration of criminal justice agencies, including management styles, techniques of leadership, ethics, and decision-making for those students who do not have a previous background in criminal justice.

CJ 701. Justice Administration and Information Systems. 3 Hours.
This course will include the examination of contemporary law enforcement organizations and the issues police and other public service managers confront every day. The course will focus on case study analysis as a method of learning the latest management and behavioral theories. The five approaches to management that will be emphasized include: commitment to a common purpose; concern for high-quality public services; empowerment and shared leadership; pragmatic incrementalism; and dedication to public service.
CJ 702. Perspectives in Terrorism. 3 Hours.
The students in this course will analyze aspects of historical and current extremism and terrorism which will be related to contemporary domestic and international terrorism issues. The course will cover sophisticated theories developed by analysts around the world to investigate paramilitarism, white supremacy groups, hate groups, religious fundamentalism, and foreign terrorist groups which may pose a threat to United States interests. Among the topics to be analyzed include the ancient roots of terrorism, motivation of terrorists, the current vulnerability of modern democracies, and global jihad.

CJ 703. Labor and Employment Law. 3 Hours.
This course reviews the law under the National Labor Relations Act (NLRA). It will focus on unfair labor practices, union representative elections and conflict in the workplace. It includes an emphasis on proper collective bargaining processes, methods of mediation and arbitration to resolve disputes and the duty to bargain in good faith between employers and employees. Students are expected to study the text of the statute, relevant selections from actual cases, and various other materials and apply them to current events and hypothetical situations.

CJ 704. Psychology and the Legal Environment. 3 Hours.
This course is intended to introduce and review the basic theoretical and practical applications of forensic psychology in our society. Specifically, issues related to the use of psychological research and knowledge in legal environments will be presented to allow the student to appreciate the unique interaction between psychology and the law. Concepts will range from the analysis of competency and insanity to the use of criminal profiling, risk assessments of violent behavior, and psychopathology. Considerable attention will be allotted to an investigation of victimology concerns stemming from sexual assault of children and adults, as well as domestic violence. Students will gain an in-depth understanding of each core topic as well as an appreciation for how each contributes to the broader domain of the legal system.

CJ 705. Leadership & Ethics. 3 Hours.
This course will provide students with a study of leadership principles and strategies using historical figures as examples. The primary source of effective leadership will be Ernest Shackleton and is 1914 Antarctic expedition. Other historical leaders that will be drawn from include, but are not limited to: George Washington, Abraham Lincoln, and Theodore Roosevelt. Students will focus on leadership decisions made by these individuals and the ethical framework that surrounds every decision. Students will incorporate the leadership and ethical decision making skills into a final project related to their own field of study.

CJ 706. Corporate Security. 3 Hours.
This course will focus on the impacts on corporate security from the new age that has been entered since 9/11/01. Entirely new risk assessment models and proactive strategic planning concepts will be discussed drawing from actual cases. The important of working from measurable metrics and business needs rather than unproven assumptions will be discussed.

CJ 707. Public Policy and Planning. 3 Hours.
Students will examine policy development and planning processes. Topics will include the process and models of policy formation, policy implementation methods and evaluation components typically associated with planned change in criminal justice.

CJ 708. Global Jihad and Radicalization. 3 Hours.
This course will focus on the issues of radical Islam beginning in the late 20th century with the Mujahedeen in Afghanistan and the Muslim Brotherhood in Egypt, through the 21st century with the emergence of Al Qaeda, Taliban, Boka Haram and ISIS. The course will examine methods, practices, and global ambitions of these groups. Additional attention will be given to the global ambitions for the creation of an Islamic caliphate and its implications for the modern world. The process and dynamics of Islamic fundamentalist radicalization will be explored in terms of how and where it occurs and how it can be prevented. Extensive use will be made of multimedia images of historical and current events.

CJ 709. Advanced Criminological Theories. 3 Hours.
This course is intended to introduce an advanced sociological perspective as it is applied to the themes of crime, criminality and the individual offender. Specifically, definitions of selected crimes will be explored in conjunction with various perspectives on both causation and response to criminal acts. This analysis will require students to read and discuss the primary writings of those thinkers responsible for the development of landmark classical and contemporary criminological theories.

CJ 710. Criminal Justice Graduate Internship. 3-6 Hours.
This course is designed for students who desire to obtain on-the-job experience in the criminal justice profession who have not previously been employed in the internship locale. The nature of the work and the location of the internship must be approved by the student’s advisor. Included in the experience and pre-counseling, on-site supervision, periodic summary and evaluation reporting, supplemental reading, pertinent research or practical work-related projects, and presentation of projects.

CJ 711. White Collar Crime. 3 Hours.
This course explores the nature of elite deviance as it relates to crime and power in American society. Various forms of white collar crime will be examined and illustrated through case studies and estimates of the extent and costs of these crimes will be presented. Students will have the opportunity to gain a better understanding of how white collar crime affects employees, consumer and citizens.

CJ 712. Homeland Security. 3 Hours.
This course relates principle aspects of terrorism and how it affects our communities. It compiles information from programs available on the national level that pertain to terrorism and the law enforcement officer’s response to these types of incidents. The instruction is designed to provide the student with an understanding of the key role of first responder in their response to a suspected terrorist incident.

CJ 713. Psychology and the Legal Environment. 3 Hours.
This course is intended to introduce and review the basic theoretical and practical applications of forensic psychology in our society. Specifically, issues related to the use of psychological research and knowledge in legal environments will be presented to allow the student to appreciate the unique interaction between psychology and the law. Concepts will range from the analysis of competency and insanity to the use of criminal profiling, risk assessments of violent behavior, and psychopathology. Considerable attention will be allotted to an investigation of victimology concerns stemming from sexual assault of children and adults, as well as domestic violence. Students will gain an in-depth understanding of each core topic as well as an appreciation for how each contributes to the broader domain of the legal system.

CJ 714. Counterterrorism and Counterinsurgency. 3 Hours.
This course introduces students to the topics of counterterrorism and counterinsurgency. A variety of concepts, theories, and methodologies will be examined in an effort to better understand what drives violent jihadism and global terrorism. Students will learn about policies, strategies, and tactics designed to counter the global threats currently posed during the terror age, and the operational and political risks of government action or inaction.

CJ 715. Corporate Security. 3 Hours.
This course will focus on the impacts on corporate security from the new age that has been entered since 9/11/01. Entirely new risk assessment models and proactive strategic planning concepts will be discussed drawing from actual cases. The important of working from measurable metrics and business needs rather than unproven assumptions will be discussed.

CJ 716. Global Jihad and Radicalization. 3 Hours.
This course will focus on the issue of the rise of radical Islam beginning in the late 20th century with the Mujahedeen in Afghanistan and the Muslim Brotherhood in Egypt, through the 21st century with the emergence of Al Qaeda, Taliban, Boka Haram and ISIS. The course will examine methods, practices, and global ambitions of these groups. Additional attention will be given to the global ambitions for the creation of an Islamic caliphate and its implications for the modern world. The process and dynamics of Islamic fundamentalist radicalization will be explored in terms of how and where it occurs and how it can be prevented. Extensive use will be made of multimedia images of historical and current events.

CJ 717. Graduate Capstone Course. 3 Hours.
This course focuses on providing students an understanding of the major theories of the public policymaking process, the mechanics of the process, methods of examining policy impacts, and how criminological research can affect policy change as well as be driven by policy. Another goal of this course is to familiarize students with current pressing criminal justice issues and to have the students become sophisticated practitioners and consumers of evaluation research. Students will be expected to reflect critically upon the role of criminological research in the policy making / decision making process. Prerequisite(s): BA 600 and 18 Credits From Range [BA 600 To BA 799].
The Bachelor of Science in Accounting program is designed to provide a strong professional base in accounting; students may choose electives to specialize in either public accounting or management accounting. Public accountants work with clients in many different industries. They audit organizations’ financial records, provide tax advice, work with information systems, or consult on business problems. Some work within large multinational firms, but most work for regional or local firms. Management accountants work for a single organization, which may be a large corporation, a small business, a not-for-profit organization, or a government entity. They are part of the management team and analyze data, recommend ways to increase profitability, and help plan for the future. Specialized tasks include internal auditing, financial accounting, cost accounting, tax planning and compliance, business planning and budgeting, management consulting and information systems management.

The program objectives for the B.S. Accounting degree are:

- To explain the major concepts in the functional areas of marketing, finance, and management
- To evaluate the legal, social, and economic environment of business
- To demonstrate thorough, technical knowledge of the generally accepted accounting principles and practices tested on the uniform CPA exam
- To demonstrate knowledge of the core business concepts relevant to the accounting profession
- To apply ethical decision-making skills and integrity in an ever-changing, global environment
- To produce and present effective oral and written forms of communication
- To apply critical problem-solving and professional skills in an experiential, learning environment

The goal of the program is to prepare future leaders with the knowledge of accounting principles and their applications. Data gained from accountants are necessary for planning, decision making, and control. As an accountant, the student will be prepared to supervising the preparation, interpretation, and reporting of economic data for management operations and the general public depending upon the type of work sought.

### General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BA 201</td>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>BA 202</td>
<td>Intermediate Accounting II</td>
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<tr>
<td>AC 311</td>
<td>Cost Accounting</td>
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<tr>
<td>AC 352</td>
<td>Forensic Investigative Accounting</td>
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</tr>
<tr>
<td>AC 371</td>
<td>Accounting Information Systems</td>
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<tr>
<td>AC 411</td>
<td>Federal Taxation I</td>
<td>3</td>
</tr>
<tr>
<td>AC 442</td>
<td>Federal Taxation II</td>
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<td>AC 461</td>
<td>Auditing Concepts and Methods</td>
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<tr>
<td>AC 471</td>
<td>Accounting for Nonprofit Organizations</td>
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<td>BA 202</td>
<td>Business Law II</td>
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<tr>
<td>BA 211</td>
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<td>BA 212</td>
<td>Macroeconomics</td>
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<td>BA 321</td>
<td>Marketing Principles</td>
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<tr>
<td>BA 362</td>
<td>Financial Management I</td>
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Select one of the following Global Business Electives: 3

- BA 111 Economic Geography
- BA 334 International Economics
- BA 434 International Finance
- BA 437 International Marketing
- BA 490 International Business

**Total Hours**: 122
## Suggested Course Sequence

### First Year

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<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
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<td>AC 121</td>
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<td>CM 100</td>
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<td>MI 214</td>
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### Second Year

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<tr>
<td>BA 211</td>
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<td>BA 202</td>
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<td>BA 300</td>
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<td>BA 212</td>
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<td>BA 310</td>
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<td>BA 302</td>
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<td>Fine Arts Elective</td>
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### Third Year

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<td>AC 301</td>
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<td>AC 441</td>
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<td>AC 352</td>
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<td>AC 471</td>
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<td>AC 442</td>
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<td>BA 362</td>
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<td>Open Elective</td>
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<tr>
<td>Lab Science Elective</td>
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### Fourth Year

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<td>AC 331</td>
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Total Hours: 122

*** Credit may not be required for degree completion.

## Courses

**AC 120. Introduction to Accounting. 3 Hours.**
This course is for nonaccounting majors and introduces the student to accounting principles and concepts. Emphasis will be placed on completion of the accounting cycle, cash control, and payroll accounting.

**AC 121. Principles of Accounting I. 3 Hours.**
This introductory course covers fundamental principles and procedures of accounting. It is designed to meet the needs of business students as well as the accounting major. Emphasis is on developing the technical procedures of the accounting cycle including journalizing, posting, recording adjusting entries, understanding merchandising accounting, and preparing financial statements. Students are also introduced to cash control and financial statement analysis.

**AC 122. Principles of Accounting II. 3 Hours.**
A continuation of the study of basic accounting principles and procedures, the course includes receivables and payables, fixed assets, intangibles, natural resources, inventory methods, payroll accounting, and special journals and subsidiary ledgers. Students are also introduced to the partnership and corporate form of organization. Projects are incorporated into the assignments. Prerequisite(s): AC 121.

**AC 201. Intermediate Accounting I. 3 Hours.**
The first accounting course at the professional level for the accounting major, this course begins with a comprehensive review of basic accounting principles and financial statement preparation. The course provides an intensive study of the concepts of future and present value, current assets and current liabilities, the various methods of inventory accounting and costing, plant assets and intangible assets. Prerequisite(s): AC 121.

**AC 202. Intermediate Accounting II. 3 Hours.**
This course continues the in-depth study of accounting topics in financial accounting, including accounting for income taxes, long-term investments, and long-term liabilities. An intensive study is made of the statement of cash flows and accounting for all phases of corporations including formation, retained earnings, dividends, convertible securities, and earnings per share. Prerequisite(s): AC 201.

**AC 211. Managerial Accounting. 3 Hours.**
Managerial accounting involves the use of accounting information to make business decisions. Topics covered include cost concepts, cost-volume-profit relationships, capital budgeting, master budgets, cost variances and present value analysis, as well as financial statement analysis. Prerequisite(s): AC 121.

**AC 251. Accounting Internship. 3 Hours.**
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.
AC 301. Advanced Accounting I. 3 Hours.
Advanced Accounting I deals with advanced and specialized topics in financial accounting. An in-depth study is made of accounting for pensions and leases and of accounting for partnerships, including formation and operation, dissolution, and liquidation. The course also provides an introduction to such specialized topics as foreign operations, governmental and fund accounting, accounting changes, and error correction. Prerequisite(s): AC 202.

AC 302. Advanced Accounting II. 3 Hours.
Advanced Accounting II concentrates on an in-depth study of business combinations and the equity method of accounting for a subsidiary on the parent's unconsolidated statements. Accounting for business combinations by the purchase method is covered and the preparation of consolidated statements is emphasized with a thorough treatment of eliminations of intercompany transactions. Currently developing advanced topics are also covered as time permits. Prerequisite(s): AC 202.

AC 331. Cost Accounting. 3 Hours.
Topics covered include basic cost control concepts, manufacturing statements, accounting for material inventory, factory overhead costs, job order costing, process costing, activity based costing, and process costing. Students are also introduced to cost estimation methods and cost-volume-profit analysis. With assigned projects, budgeting and variances are studied, along with decision-making models. Prerequisite(s): AC 122.

AC 352. Forensic and Investigative Accounting. 3 Hours.
This course covers important topics associated with modern forensic and investigative accounting. Topics include fraud auditing, litigation support, valuation, cybercrime, and other key forensic topics. The objectives include understanding the principles and practices used by public accountants, internal auditors, and others used to examine financial and related information. Prerequisite(s): AC 202.

AC 371. Accounting Information Systems. 3 Hours.
This course explores information systems that provide accounting and other information to make effective and efficient decisions. Emphasis is given to the interaction between the systems analyst, the financial accountant, the internal auditor, the external auditor, and other decision-makers. Overall data flow in systems is studied with an emphasis on flow and logic concepts and designing appropriate internal controls for these systems. Prerequisite(s): AC 122 and MI 111.

AC 441. Federal Taxation I. 3 Hours.
The student is introduced to the basic theory of taxation, particularly as it deals with the individual. Among the topics examined are the computation of gross income, gains and losses, sales and exchanges of property, and various business and personal deductions. Prerequisite(s): AC 122.

AC 442. Federal Taxation II. 3 Hours.
The taxation of corporations, partnerships, and estates and trusts is examined in-depth, along with other selected topics related to taxation of the business entity. Also covered are estate and gift transfer taxes with time devoted to family tax planning, international taxation, and the taxation of exempt organizations. Prerequisite(s): AC 122.

AC 461. Auditing Concepts and Methods. 3 Hours.
The responsibilities of the auditor are examined in-depth in respect to the client, the firm and the public. The course includes a study of ethics, auditing standards and development techniques of the audit program, and the auditor's report. An extensive case study is also required. Prerequisite(s): AC 202.

AC 471. Accounting for Nonprofit Organizations. 3 Hours.
This course consists of the study of fund accounting and the financial statements of state and local governments, hospitals, universities and other nonprofit entities. General financial principles and fund accounting principles are compared. Specific topics covered include budgets for operations, capital improvements, general funds, revenue funds, debt service funds, trust and agency funds, and proprietary funds. Prerequisite(s): AC 202.
AC 483. Financial Acctg & Reporting Adv Problems. 3 Hours.
This course covers current official pronouncements and procedures accepted by the AICPA and the FASB. Comprehensive in depth and inter-area problems are explored and solved; topics include accounting theory, pensions, leases, inventories, current assets and current liabilities, fixed assets, deferred taxes, stockholders' equity, foreign currency transactions and translations, investments, and partnerships. Prerequisite(s): AC 301 and AC 302 and AC 331 and AC 441 and AC 442 and College Level=Senior.

AC 484. Acctg & Reprt & Consolidation Adv Problems. 3 Hours.
This course covers current official pronouncements and current procedures accepted by the AICPA, the IRS, the FASB, the GASB and the Cost Accounting Standards Board. Comprehensive in depth and inter-area problems are explored and solved. Topics include: consolidations, cost accounting, accounting for governmental and nonprofit organizations, and individual and corporate taxes. Prerequisite(s): AC 301 and AC 302 and AC 331 and AC 441 and AC 442 and College Level=Senior.

AC 499. Accounting Seminar. 3 Hours.
The instructor and the student develop the subject matter of this course. The material covered consists of current issues and developments and must be relevant to the accounting field.

B.S. in Accounting/M.B.A

The dual B.S. in Accounting / M.B.A. degree program affords students the opportunity to earn both degrees in five years as opposed to the six years it would take to pursue the degrees separately. The BS/MBA Program enables a student to fulfill the Maine Board of Accountancy requirement of 150 semester hours of college education for individuals who wish to be licensed to practice as a Certified Public Accountant. High-level courses in management complement intensive professional training in accounting to prepare graduates for leadership in the field. Students in this dual degree program achieve the program objectives for both the B.S. Accounting and M.B.A degrees.

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BA 300</td>
<td>Business Presentations</td>
<td>3</td>
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<tr>
<td>CM 100</td>
<td>Speech</td>
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<td>EH 123</td>
<td>Rhetoric and Composition I</td>
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<td>EH 124</td>
<td>Rhetoric and Composition II</td>
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<tr>
<td>HE 111</td>
<td>The Husson Experience ***</td>
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<tr>
<td>MI 111</td>
<td>Introduction to Microcomputing</td>
<td>3</td>
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<tr>
<td>MI 214</td>
<td>Microcomputer Spreadsheet Applications</td>
<td>3</td>
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<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
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<td>Choose one of the following:</td>
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<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
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<tr>
<td>MS 180</td>
<td>Precalculus with Trigonometry</td>
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<td>MS 181</td>
<td>Calculus with Applications</td>
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<tr>
<td>MS 182</td>
<td>Calculus II</td>
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<tr>
<td>PY 111</td>
<td>General Psychology</td>
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<tr>
<td>Fine Arts Elective</td>
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<tr>
<td>Foreign Culture and Conversation Elective</td>
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<td>SC Elective</td>
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<td>Open Electives</td>
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<td>Co-curricular activity and/or community service</td>
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Accounting and General Business Courses

AC 121  Principles of Accounting I   3
AC 122  Principles of Accounting II  3
AC 201  Intermediate Accounting I   3
AC 202  Intermediate Accounting II  3
AC 251  Accounting Internship       3
AC 301  Advanced Accounting I       3
AC 302  Advanced Accounting II      3
AC 331  Cost Accounting             3
AC 352  Forensic and Investigative Accounting | 3
AC 371  Accounting Information Systems | 3
AC 441  Federal Taxation I          3
AC 442  Federal Taxation II         3
AC 461  Auditing Concepts and Methods | 3
AC 471  Accounting for Nonprofit Organizations | 3
BA 202  Business Law II             3
BA 211  Microeconomics              3
BA 212  Macroeconomics              3
BA 302  Business Ethics             3
BA 310  Organization and Management | 3
BA 321  Marketing Principles        3
BA 362  Financial Management I      3

Select one of the following Global Business Electives: 3

Choose one of the following: 3

AC 483  Financial Acctg & Reporting Adv Problems
Open Elective

Choose one of the following: 3

AC 484  Acctg & Reprt & Consolidation Adv Problems
Open Elective

Graduate Business Courses

BA 600  Research Methods in Business and Education 3
BA 601  Managerial Economics 3
BA 605  Management Communications 3
BA 625  Global Strategic Management 3
BA 643  Strategic Change Management 3

Choose one of the following: 3

BA 620  Financial Management
or BA 644  The Legal Environment of Business

Graduate Business Electives 12

Total Hours 152

Suggested Course Sequence

First Year

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<tr>
<th>Course</th>
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<tr>
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<td>MI 214</td>
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<td>PY 111</td>
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### Second Year

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<td>BA 300</td>
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<td>BA 310</td>
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<td>BA 212</td>
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<td>AC 201</td>
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<td>BA 302</td>
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<tr>
<td>Foreign Culture and Conversation Elective</td>
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<td>Fine Arts Elective</td>
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Total Hours: 15

### Third Year

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<td>AC 441</td>
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<td>BA 600</td>
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<td>BA 321</td>
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<td>BA 605</td>
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<td>AC 352</td>
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Total Hours: 15

### Fourth Year

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Total Hours: 15

### Fifth Year

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<th>Fall</th>
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<th>Spring</th>
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<tr>
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<td>AC 461</td>
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<tr>
<td>Graduate Business Elective</td>
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<td>AC 483 ( OR Open Elective)</td>
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Total Hours: 15

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**AC Courses**

**AC 120. Introduction to Accounting. 3 Hours.**
This course is for nonaccounting majors and introduces the student to accounting principles and concepts. Emphasis will be placed on completion of the accounting cycle, cash control, and payroll accounting.

**AC 121. Principles of Accounting I. 3 Hours.**
This introductory course covers fundamental principles and procedures of accounting. It is designed to meet the needs of business students as well as the accounting major. Emphasis is on developing the technical procedures of the accounting cycle including journalizing, posting, recording adjusting entries, understanding merchandising accounting, and preparing financial statements. Students are also introduced to cash control and financial statement analysis.

**AC 122. Principles of Accounting II. 3 Hours.**
A continuation of the study of basic accounting principles and procedures, the course includes receivables and payables, fixed assets, intangibles, natural resources, inventory methods, payroll accounting, and special journals and subsidiary ledgers. Students are also introduced to the partnership and corporate form of organization. Projects are incorporated into the assignments. Prerequisite(s): AC 121.

**AC 201. Intermediate Accounting I. 3 Hours.**
The first accounting course at the professional level for the accounting major, this course begins with a comprehensive review of basic accounting principles and financial statement preparation. The course provides an intensive study of the concepts of future and present value, current assets and current liabilities, the various methods of inventory accounting and costing, plant assets and intangible assets. Prerequisite(s): AC 122.

**AC 202. Intermediate Accounting II. 3 Hours.**
This course continues the in-depth study of accounting topics in financial accounting, including accounting for income taxes, long-term investments, and long-term liabilities. An intensive study is made of the statement of cash flows and accounting for all phases of corporations including formation, retained earnings, dividends, convertible securities, and earnings per share. Prerequisite(s): AC 201.

**AC 211. Managerial Accounting. 3 Hours.**
Managerial accounting involves the use of accounting information to make business decisions. Topics covered include cost concepts, cost-volume-profit relationships, capital budgeting, master budgets, cost variances and present value analysis, as well as financial statement analysis. Prerequisite(s): AC 121.

**AC 251. Accounting Internship. 3 Hours.**
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.
AC 252. Accounting Internship II. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 253. Accounting Internship III. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 254. Accounting Internship IV. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 255. Accounting Internship V. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 256. Accounting Internship VI. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 301. Advanced Accounting I. 3 Hours.
Advanced Accounting I deals with advanced and specialized topics in financial accounting. An in-depth study is made of accounting for pensions and leases and of accounting for partnerships, including formation and operation, dissolution, and liquidation. The course also provides an introduction to such specialized topics as foreign operations, governmental and fund accounting, accounting changes, and error correction. Prerequisite(s): AC 202.

AC 302. Advanced Accounting II. 3 Hours.
Advanced Accounting II concentrates on an in-depth study of business combinations and the equity method of accounting for a subsidiary on the parent's unconsolidated statements. Accounting for business combinations by the purchase method is covered and the preparation of consolidated statements is emphasized with a thorough treatment of eliminations of intercompany transactions. Currently developing advanced topics are also covered as time permits. Prerequisite(s): AC 202.

AC 331. Cost Accounting. 3 Hours.
Topics covered include basic cost control concepts, manufacturing statements, accounting for material inventory, factory overhead costs, job order costing, process costing, activity-based costing, and process costing. Students are also introduced to cost estimation methods and cost-volume-profit analysis. With assigned projects, budgeting and variances are studied, along with decision-making models. Prerequisite(s): AC 122.

AC 352. Forensic and Investigative Accounting. 3 Hours.
This course covers important topics associated with modern forensic and investigative accounting. Topics include fraud auditing, litigation support, valuation, cybercrime, and other key forensic topics. The objectives include understanding the principles and practices used by public accountants, internal auditors, and others used to examine financial and related information. Prerequisite(s): AC 202.

AC 371. Accounting Information Systems. 3 Hours.
This course explores information systems that provide accounting and other information to make effective and efficient decisions. Emphasis is given to the interaction between the systems analyst, the financial accountant, the internal auditor, the external auditor, and other decision-makers. Overall data flow in systems is studied with an emphasis on flow and logic concepts and designing appropriate internal controls for these systems. Prerequisite(s): AC 122 and MI 111.

AC 411. Federal Taxation I. 3 Hours.
The student is introduced to the basic theory of taxation, particularly as it deals with the individual. Among the topics examined are the computation of gross income, gains and losses, sales and exchanges of property, and various business and personal deductions. Prerequisite(s): AC 122.

AC 442. Federal Taxation II. 3 Hours.
The taxation of corporations, partnerships, and estates and trusts is examined in-depth, along with other selected topics related to taxation of the business entity. Also covered are estate and gift transfer taxes with time devoted to family tax planning, international taxation, and the taxation of exempt organizations. Prerequisite(s): AC 122.

AC 461. Auditing Concepts and Methods. 3 Hours.
The responsibilities of the auditor are examined in-depth in respect to the client, the firm and the public. The course includes a study of ethics, auditing standards and development techniques of the audit program, and the auditor’s report. An extensive case study is also required. Prerequisite(s): AC 202.

AC 471. Accounting for Nonprofit Organizations. 3 Hours.
This course consists of the study of fund accounting and the financial statements of state and local governments, hospitals, universities and other nonprofit entities. General financial principles and fund accounting principles are compared. Specific topics covered include budgets for operations, capital improvements, general funds, revenue funds, debt service funds, trust and agency funds, and proprietary funds. Prerequisite(s): AC 202.
AC 483. Financial Acctg & Reporting Adv Problems. 3 Hours.
This course covers current official pronouncements and procedures accepted by the AICPA and the FASB. Comprehensive in depth and inter-area problems are explored and solved; topics include accounting theory, pensions, leases, inventories, current assets and current liabilities, fixed assets, deferred taxes, stockholders' equity, foreign currency transactions and translations, investments, and partnerships. Prerequisite(s): AC 301 and AC 302 and AC 331 and AC 441 and AC 442 and College Level=Senior.

AC 484. Acctg & Reprtng & Consolidation Adv Problems. 3 Hours.
This course covers current official pronouncements and current procedures accepted by the AICPA, the IRS, the FASB, the GASB and the Cost Accounting Standards Board. Comprehensive in depth and inter-area problems are explored and solved. Topics include: consolidations, cost accounting, accounting for governmental and nonprofit organizations, and individual and corporate taxes. Prerequisite(s): AC 301 and AC 302 and AC 331 and AC 441 and AC 442 and College Level=Senior.

AC 499. Accounting Seminar. 3 Hours.
The instructor and the student develop the subject matter of this course. The material covered consists of current issues and developments and must be relevant to the accounting field.

BA Courses

BA 101. Introduction to Business. 3 Hours.
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

BA 111. Economic Geography. 3 Hours.
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.
BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal.Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or ( Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.
BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level+Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student's choice summarizes the student's knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.
BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship I - New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.
BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student's experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.
BA 628. New Venture Planning and Management. 3 Hours. 
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours. 
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours. 
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours. 
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours. 
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours. 
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours. 
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours. 
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours. 
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours. 
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours. 
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours. 
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours. 
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours. 
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours. 
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization’s approach to marketing and strategic positioning.
BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student’s preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator’s decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student’s personal preferences with regard to location and types of property. However, the student’s preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students’ awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.
BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. Grouthink. 3 Hours.
This course explores the origin of grouthink. Grouthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores grouthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 795. Graduate Internship IV. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 794.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

B.S. In Accounting Computer Information Systems

Bachelor of Science in Accounting/Computer Information Systems

This dual major enables the student to add significant knowledge of computers to professional training in accounting. This combination is highly sought by employers in both public and management accounting settings. The credits earned for this program can apply to the 150 semester hours required to obtain the CPA designation.

The program objectives for the B.S. Accounting/Computer Information Systems dual major are:

• To explain the major concepts in the functional areas of marketing, finance, and management
• To evaluate the legal, social, and economic environment of business
• To demonstrate a thorough, technical knowledge of the generally accepted accounting principles and practices tested in the uniform CPA exam
- To demonstrate knowledge of core business concepts relevant to the accounting profession
- To apply ethical decision-making skills and integrity in an ever-changing, global environment
- To demonstrate oral and written communication skills, appropriate to the profession
- To apply critical problem-solving and professional skills in an experiential, learning environment
- To demonstrate knowledge of computer hardware and software infrastructure
- To construct appropriate database solutions using computer software
- To apply project management practices and principles
- To utilize computer technology solutions to address business policies and practices

**General Education Courses**

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<td>CM 100</td>
<td>Speech</td>
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<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
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<td>HE 111</td>
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<td>MI 214</td>
<td>Microcomputer Spreadsheet Applications</td>
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<td>MS 132</td>
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<td>PY 111</td>
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**Accounting and General Business Courses**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
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<td>Principles of Accounting I</td>
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<tr>
<td>AC 122</td>
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<td>AC 201</td>
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<td>Cost Accounting</td>
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<td>AC 352</td>
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Select one of the following Global Business Electives: 3

**Suggested Course Sequence**

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Total Hours: 137

*** Credit may not be required for degree completion.

**AC Courses**

**AC 120. Introduction to Accounting. 3 Hours.**
This course is for nonaccounting majors and introduces the student to accounting principles and concepts. Emphasis will be placed on completion of the accounting cycle, cash control, and payroll accounting.

**AC 121. Principles of Accounting I. 3 Hours.**
This introductory course covers fundamental principles and procedures of accounting. It is designed to meet the needs of business students as well as the accounting major. Emphasis is on developing the technical procedures of the accounting cycle including journalizing, posting, recording adjusting entries, understanding merchandising accounting, and preparing financial statements. Students are also introduced to cash control and financial statement analysis.

**AC 122. Principles of Accounting II. 3 Hours.**
A continuation of the study of basic accounting principles and procedures, the course includes receivables and payables, fixed assets, intangibles, natural resources, inventory methods, payroll accounting, and special journals and subsidiary ledgers. Students are also introduced to the partnership and corporate form of organization. Projects are incorporated into the assignments. Prerequisite(s): AC 121.

**AC 201. Intermediate Accounting I. 3 Hours.**
The first accounting course at the professional level for the accounting major, this course begins with a comprehensive review of basic accounting principles and financial statement preparation. The course provides an intensive study of the concepts of future and present value, current assets and current liabilities, the various methods of inventory accounting and costing, plant assets and intangible assets. Prerequisite(s): AC 122.

**AC 202. Intermediate Accounting II. 3 Hours.**
This course continues the in-depth study of accounting topics in financial accounting, including accounting for income taxes, long-term investments, and long-term liabilities. An intensive study is made of the statement of cash flows and accounting for all phases of corporations including formation, retained earnings, dividends, convertible securities, and earnings per share. Prerequisite(s): AC 201.

**AC 211. Managerial Accounting. 3 Hours.**
Managerial accounting involves the use of accounting information to make business decisions. Topics covered include cost concepts, cost-volume-profit relationships, capital budgeting, master budgets, cost variances and present value analysis, as well as financial statement analysis. Prerequisite(s): AC 121.

**AC 251. Accounting Internship. 3 Hours.**
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

**AC 252. Accounting Internship II. 3 Hours.**
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

**AC 253. Accounting Internship III. 3 Hours.**
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

**AC 254. Accounting Internship IV. 3 Hours.**
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

**AC 255. Accounting Internship V. 3 Hours.**
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.
AC 256. Accounting Internship VI. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 301. Advanced Accounting I. 3 Hours.
Advanced Accounting I deals with advanced and specialized topics in financial accounting. An in-depth study is made of accounting for pensions and leases and of accounting for partnerships, including formation and operation, dissolution, and liquidation. The course also provides an introduction to such specialized topics as foreign operations, governmental and fund accounting, accounting changes, and error correction. Prerequisite(s): AC 202.

AC 302. Advanced Accounting II. 3 Hours.
Advanced Accounting II concentrates on an in-depth study of business combinations and the equity method of accounting for a subsidiary on the parent’s unconsolidated statements. Accounting for business combinations by the purchase method is covered and the preparation of consolidated statements is emphasized with a thorough treatment of eliminations of intercompany transactions. Currently developing advanced topics are also covered as time permits. Prerequisite(s): AC 202.

AC 331. Cost Accounting. 3 Hours.
Topics covered include basic cost control concepts, manufacturing statements, accounting for material inventory, factory overhead costs, job order costing, process costing, activity based costing, and process costing. Students are also introduced to cost estimation methods and cost-volume-profit analysis. With assigned projects, budgeting and variances are studied, along with decision-making models. Prerequisite(s): AC 122.

AC 352. Forensic and Investigative Accounting. 3 Hours.
This course covers important topics associated with modern forensic and investigative accounting. Topics include fraud auditing, litigation support, valuation, cybercrime, and other key forensic topics. The objectives include understanding the principles and practices used by public accountants, internal auditors, and others used to examine financial and related information. Prerequisite(s): AC 202.

AC 371. Accounting Information Systems. 3 Hours.
This course explores information systems that provide accounting and other information to make effective and efficient decisions. Emphasis is given to the interaction between the systems analyst, the financial accountant, the internal auditor, the external auditor, and other decision-makers. Overall data flow in systems is studied with an emphasis on flow and logic concepts and designing appropriate internal controls for these systems. Prerequisite(s): AC 122 and MI 111.

AC 441. Federal Taxation I. 3 Hours.
The student is introduced to the basic theory of taxation, particularly as it deals with the individual. Among the topics examined are the computation of gross income, gains and losses, sales and exchanges of property, and various business and personal deductions. Prerequisite(s): AC 122.

AC 442. Federal Taxation II. 3 Hours.
The taxation of corporations, partnerships, and estates and trusts is examined in-depth, along with other selected topics related to taxation of the business entity. Also covered are estate and gift transfer taxes with time devoted to family tax planning, international taxation, and the taxation of exempt organizations. Prerequisite(s): AC 122.

AC 461. Auditing Concepts and Methods. 3 Hours.
The responsibilities of the auditor are examined in-depth in respect to the client, the firm and the public. The course includes a study of ethics, auditing standards and development techniques of the audit program, and the auditor’s report. An extensive case study is also required. Prerequisite(s): AC 202.

AC 471. Accounting for Nonprofit Organizations. 3 Hours.
This course consists of the study of fund accounting and the financial statements of state and local governments, hospitals, universities and other nonprofit entities. General financial principles and fund accounting principles are compared. Specific topics covered include budgets for operations, capital improvements, general funds, revenue funds, debt service funds, trust and agency funds, and proprietary funds. Prerequisite(s): AC 202.

AC 483. Financial Acctg & Reporting Adv Problems. 3 Hours.
This course covers current official pronouncements and procedures accepted by the AICPA and the FASB. Comprehensive in depth and inter-area problems are explored and solved; topics include accounting theory, pensions, leases, inventories, current assets and current liabilities, fixed assets, deferred taxes, stockholders’ equity, foreign currency transactions and translations, investments, and partnerships. Prerequisite(s): AC 301 and AC 302 and AC 331 and AC 441 and AC 442 and College Level=Senior.

AC 484. Acctg & Reptg & Consolidation Adv Problems. 3 Hours.
This course covers current official pronouncements and current procedures accepted by the AICPA, the IRS, the FASB, the GASB and the Cost Accounting Standards Board. Comprehensive in depth and inter-area problems are explored and solved. Topics include: consolidations, cost accounting, accounting for governmental and nonprofit organizations, and individual and corporate taxes. Prerequisite(s): AC 301 and AC 302 and AC 331 and AC 441 and AC 442 and College Level=Senior.

AC 499. Accounting Seminar. 3 Hours.
The instructor and the student develop the subject matter of this course. The material covered consists of current issues and developments and must be relevant to the accounting field.

MI Courses

MI 111. Introduction to Microcomputing. 3 Hours.
The elements of hardware, software and the uses of the microcomputer in today’s society. Hands-on experience includes word processing, spreadsheet, database management, and presentation software.

MI 131. Intro to Information Systems. 3 Hours.
Course surveys the historical, social and technological contexts of modern computing and computer science. Students are exposed to material through lectures and a number of online lab activities.

MI 210. Basic Database Design and Implementation. 3 Hours.
The course provides a strong hands-on overview of relational databases. Using small office database technologies (such as Microsoft Access) students will explore proper database design and construction. SQL is introduced as the primary tool for extracting data out of a database. The course is intended for non-IT majors. IT majors are directed to MI 411.
MI 214. Microcomputer Spreadsheet Applications. 3 Hours.
This course covers microcomputer spreadsheet software. Topics include: functions, decision making, macros, custom menus, importing and exporting.

MI 226. Web Applications. 3 Hours.
Students construct web pages using Hypertext Markup Language (HTML) and JavaScript. Emphasis is on object-oriented thinking and hands on work. Internet technologies including TCP/IP protocols, client/server programming, and security are also discussed. Prerequisite(s): MI 111.

MI 241. Managing and Maintaining a PC I. 3 Hours.
Course develops a base for supporting end-user workstation system. Emphasis is on hands on installation, configuration, and problem solving computer hardware and software in a laboratory setting. Prepares the student for the Comp TIA's A+ exams.

MI 242. Managing and Maintaining a PC II. 3 Hours.
A continuation of Managing and Maintaining a PC I. Prepares the student for the Comp TIA's A+ exams. Prerequisite(s): MI 241.

MI 245. Desktop Publishing. 3 Hours.
Students use current software packages to produce a wide range of high-quality interoffice publications such as forms, proposals and directories, and outside-of-organization communications such as flyers, catalogs, annual reports, brochures, newsletters, etc. Students will become familiar with typographic techniques used to create professional-looking documents. The use of basic design and layout features such as white space, graphic elements, and color will be introduced. Accuracy and creativity are essential as the students design and publish functional promotional materials. A professional portfolio containing sample projects is an integral part of the evaluation process.

MI 261. Introduction to Computer Programming I. 3 Hours.
This is a three credit hour course and the first of a two course sequence serving as an introduction to computer programming. The course covers the basic terminology and structure of writing computer software. In addition, the course establishes a solid foundation in the use of the basic building blocks associated with writing software including data types, variables, conditional and looping constructs, error handling, and debugging. Throughout the course, students will be introduced to and expected to follow industry standards and best practices of the software development discipline.

MI 262. Introduction to Computer Programming II. 3 Hours.
This is a three credit hour course and the second of a two course sequence serving as an introduction to computer programming. The course covers the basic terminology and structure of writing computer software. In addition, the course builds upon the solid foundation in the use of the basic building blocks associated with writing software including arrays, collections, classes, file I/O, and database connections. Throughout the course, students will be introduced to and expected to follow industry standards and best practices of the software development discipline. Prerequisite(s): MI 261.

MI 299. Topic/. 3 Hours.
This course is of variable content with selected topics presented to provide prerequisites for specifically identified additional coursework in CIS. The course emphasizes independent investigation and the fundamental principles of computing and information technology.

MI 321. Systems Analysis & Design. 3 Hours.
Methodology for the investigation analysis and general design, detailed design, and implementation of computer information systems is covered. Comprehensive case studies are used to illustrate the phases of CIS project development. Topics presented for system development include data flow diagrams, normalization, RAD, extreme programming (XP), software development life cycle (SDLC), and program specifications. Prerequisite(s): MI 261.

MI 322. Decision Support and Expert Systems. 3 Hours.
These systems are designed to synthesize what is known about the business application and to make that knowledge available to and effective in the hands of working decision-makers. Topics covered include artificial intelligence, natural language systems, expressing rules, and dealing with uncertainty. Expert system development software is used. Prerequisite(s): MI 111.

MI 325. Algorithms and Data Structures I. 3 Hours.
This is a three credit hour course and the first of a two course sequence serving as an introduction to the algorithms and data structures utilized in computer programming. The course covers the basic data structures used in software development including lists, sorted lists, stacks, queues, sets, and graphs and their implementations. For algorithms, the students will be introduced to a number of algorithm designs including greedy and divide-and-conquer, and specific algorithms including resizing arrays, shortest path, and spanning trees. Prerequisite(s): MI 261.

MI 326. Algorithms and Data Structures II. 3 Hours.
This is a three credit hour course and the second of a two course sequence serving as an introduction to the algorithms and data structures utilized in computer programming. The course covers the basic data structures used in software development including lists, sorted lists, stacks, queues, sets, and graphs and their implementations. For algorithms, the students will be introduced to a number of algorithm designs including greedy and divide-and-conquer, and specific algorithms including resizing arrays, shortest path, and spanning trees. Prerequisite(s): MI 261.

MI 331. Networking. 3 Hours.
This course covers the different types of networking topologies: client-server, peer-to-peer, and network administration. Practical aspects include setting up a network, hardware maintenance, and hands-on experience.

MI 332. Advanced Networking. 3 Hours.
This course builds upon basic network knowledge. Topics covered include network topology, infrastructure, hardware, segmentation, and troubleshooting as networks increase in scale and complexity. Security issues will be examined to protect data assets from internal and external threats. Prerequisite(s): MI 331.

MI 333. Computer Forensics. 3 Hours.
This course will focus on the investigative use of computer technologies and electronic records. Students will be exposed to “digital evidence” and the valuable information it can provide to investigators. The course will have a two-tier approach. (1) Students will be shown how to extract readily decipherable information from someone's computer such as looking for at their files or their browser history of web sites visited. Even if the information is password protected or has been deleted it might still be recoverable. (2) The course will examine criminals who use computers and the Internet to commit various crimes ranging from trying to lure children into chat rooms or face-to-face meetings to every sort of financial fraud. This course is intended to address a growing need in law enforcement. Prerequisite(s): Major=BS Comp Info Systems or Major=BS Criminal Justice.
MI 341. Managing and Maintaining a Windows Server I. 3 Hours.
Course builds on fundamentals developed in MI 241-242 to detail the challenges and technology of distributed system management. Example topics include Configuration Management, Backup/Disaster Recovery, User Management, Data Management, Application Management, Logistics and Licensing. Prerequisite(s): MI 242.

MI 342. Managing and Maintaining a Windows Server II. 3 Hours.
Course is a continuation of MI 341 Managing and Maintaining a Windows Server I. This course focuses on network configuration and security of the server. Prerequisite(s): MI 341.

MI 351. Information System Internship. 3 Hours.
Cooperative Education is a College-supervised work experience course with participating employers in business and nonprofit organizations that provide a practical application of classroom theory. Prerequisite(s): College Level=Junior or College Level=Senior.

MI 352. Information System Internship. 3 Hours.
Cooperative Education is a College-supervised work experience course with participating employers in business and nonprofit organizations that provide a practical application of classroom theory. Prerequisite(s): College Level=Junior or College Level=Senior.

MI 353. Information System Internship. 3 Hours.
Cooperative Education is a College-supervised work experience course with participating employers in business and nonprofit organizations that provide a practical application of classroom theory. Prerequisite(s): College Level=Junior or College Level=Senior.

MI 354. Information System Internship. 3 Hours.
Cooperative Education is a College-supervised work experience course with participating employers in business and nonprofit organizations that provide a practical application of classroom theory. Prerequisite(s): College Level=Junior or College Level=Senior.

MI 361. Java I. 3 Hours.
This course focuses on problem solving using an object-oriented programming language. Emphasis is on programming using modern practices. Prerequisite(s): MI 262.

MI 362. Java II. 3 Hours.
This course builds on language used in MI 361. Explores advanced use of the language including packages for data access and web server scripting. Prerequisite(s): MI 361.

MI 411. Database Design. 3 Hours.
The design of a database as part of the CIS development process is covered in detail. The theory and practical application of both relational and network databases is included. Normalization and SQL are also covered in detail.

MI 421. Project Management Techniques. 3 Hours.
Projects are undertaken, which must be completed within cost, schedule and quality constraints. This course provides the student with practical methodology for planning and managing large or small projects effectively. Software such as Microsoft Project for Windows® is used.

MI 422. Information System Project Development. 3 Hours.
A comprehensive project in CIS is undertaken. The team approach is used to plan, manage and implement a realistic CIS project of moderate complexity. Prerequisite(s): MI 421.

MI 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the area of management information systems. The course may consist of seminars, individualized instruction and/or research related to a specific area of specialization.

A.S. Accounting

The Associate of Science in Accounting degree is a two year program. This program provides a solid introduction to the field and qualifies the graduate to work as a bookkeeper, become a paraprofessional in a public accounting firm, or even to manage a small business. The two year program transfers seamlessly into the B.S. Accounting program at Husson if you so choose.

The program objectives for the A.S. Accounting degree are:

• To demonstrate knowledge of the fundamental accounting principles, taxation, and managerial accounting
• To demonstrate knowledge of the core business concepts relevant to the accounting profession
• To apply ethical decision-making skills and integrity in an ever-changing, global environment
• To produce and present effective forms of communication (oral, written or both)
• To apply critical problem-solving, decision making, and professional skills

General Education Courses

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Accounting and General Business Courses

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Total Hours 62

*** Credit may not be required for degree completion.

Suggested Course Sequence

First Year

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Managerial accounting involves the use of accounting information to make business decisions. Topics covered include cost concepts, cost-volume-profit relationships, capital budgeting, master budgets, cost variances and present value analysis, as well as financial statement analysis. Prerequisite(s): AC 121.

AC 251. Accounting Internship. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 252. Accounting Internship II. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 253. Accounting Internship III. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 254. Accounting Internship IV. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 255. Accounting Internship V. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.
AC 256. Accounting Internship VI. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 301. Advanced Accounting I. 3 Hours.
Advanced Accounting I deals with advanced and specialized topics in financial accounting. An in-depth study is made of accounting for pensions and leases and of accounting for partnerships, including formation and operation, dissolution, and liquidation. The course also provides an introduction to such specialized topics as foreign operations, governmental and fund accounting, accounting changes, and error correction. Prerequisite(s): AC 202.

AC 302. Advanced Accounting II. 3 Hours.
Advanced Accounting II concentrates on an in-depth study of business combinations and the equity method of accounting for a subsidiary on the parent’s unconsolidated statements. Accounting for business combinations by the purchase method is covered and the preparation of consolidated statements is emphasized with a thorough treatment of eliminations of intercompany transactions. Currently developing advanced topics are also covered as time permits. Prerequisite(s): AC 202.

AC 331. Cost Accounting. 3 Hours.
Topics covered include basic cost control concepts, manufacturing statements, accounting for material inventory, factory overhead costs, job order costing, process costing, activity based costing, and process costing. Students are also introduced to cost estimation methods and cost-volume-profit analysis. With assigned projects, budgeting and variances are studied, along with decision-making models. Prerequisite(s): AC 202.

AC 352. Forensic and Investigative Accounting. 3 Hours.
This course covers important topics associated with modern forensic and investigative accounting. Topics include fraud auditing, litigation support, valuation, cybercrime, and other key forensic topics. The objectives include understanding the principles and practices used by public accountants, internal auditors, and others used to examine financial and related information. Prerequisite(s): AC 202.

AC 371. Accounting Information Systems. 3 Hours.
This course explores information systems that provide accounting and other information to make effective and efficient decisions. Emphasis is given to the interaction between the systems analyst, the financial accountant, the internal auditor, the external auditor, and other decision-makers. Overall data flow in systems is studied with an emphasis on flow and logic concepts and designing appropriate internal controls for these systems. Prerequisite(s): AC 122 and MI 111.

AC 441. Federal Taxation I. 3 Hours.
The student is introduced to the basic theory of taxation, particularly as it deals with the individual. Among the topics examined are the computation of gross income, gains and losses, sales and exchanges of property, and various business and personal deductions. Prerequisite(s): AC 122.

AC 442. Federal Taxation II. 3 Hours.
The taxation of corporations, partnerships, and estates and trusts is examined in-depth, along with other selected topics related to taxation of the business entity. Also covered are estate and gift transfer taxes with time devoted to family tax planning, international taxation, and the taxation of exempt organizations. Prerequisite(s): AC 122.

AC 461. Auditing Concepts and Methods. 3 Hours.
The responsibilities of the auditor are examined in-depth in respect to the client, the firm and the public. The course includes a study of ethics, auditing standards and development techniques of the audit program, and the auditor’s report. An extensive case study is also required. Prerequisite(s): AC 202.

AC 471. Accounting for Nonprofit Organizations. 3 Hours.
This course consists of the study of fund accounting and the financial statements of state and local governments, hospitals, universities and other nonprofit entities. General financial principles and fund accounting principles are compared. Specific topics covered include budgets for operations, capital improvements, general funds, revenue funds, debt service funds, trust and agency funds, and proprietary funds. Prerequisite(s): AC 202.

AC 483. Financial Acctg & Reporting Adv Problems. 3 Hours.
This course covers current official pronouncements and procedures accepted by the AICPA and the FASB. Comprehensive in depth and inter-area problems are explored and solved; topics include accounting theory, pensions, leases, inventories, current assets and current liabilities, fixed assets, deferred taxes, stockholders’ equity, foreign currency transactions and translations, investments, and partnerships. Prerequisite(s): AC 301 and AC 302 and AC 331 and AC 441 and AC 442 and College Level=Senior.

AC 484. Acctg & Reptg & Consolidation Adv Problems. 3 Hours.
This course covers current official pronouncements and current procedures accepted by the AICPA, the IRS, the FASB, the GASB and the Cost Accounting Standards Board. Comprehensive in depth and inter-area problems are explored and solved. Topics include: consolidations, cost accounting, accounting for governmental and nonprofit organizations, and individual and corporate taxes. Prerequisite(s): AC 301 and AC 302 and AC 331 and AC 441 and AC 442 and College Level=Senior.

AC 499. Accounting Seminar. 3 Hours.
The instructor and the student develop the subject matter of this course. The material covered consists of current issues and developments and must be relevant to the accounting field.

Accounting Certificate

Students interested in acquiring specific accounting skills as a stackable credential should consider the Accounting Certificate. This certificate program cover both private and public accounting topics and prepare students for positions as accounts payable clerks, accounts receivable clerks, bookkeepers or tellers.

These courses can be applied to an A.S. or B.S. degree at Husson University in Accounting, as a way to augment a degree that students already achieved or augment prior learning to provide for a change in career.

Students who wish to take a concentrated program of accounting courses or are changing careers can pursue an Accounting Certificate with 5 classes and total of 15 credits.
AC 121. Principles of Accounting I. 3 Hours.
This introductory course covers fundamental principles and procedures of accounting. It is designed to meet the needs of business students as well as the accounting major. Emphasis is on developing the technical procedures of the accounting cycle including journalizing, posting, recording adjusting entries, understanding merchandising accounting, and preparing financial statements. Students are also introduced to cash control and financial statement analysis.

AC 122. Principles of Accounting II. 3 Hours.
A continuation of the study of basic accounting principles and procedures, the course includes receivables and payables, fixed assets, intangibles, natural resources, inventory methods, payroll accounting, and special journals and subsidiary ledgers. Students are also introduced to the partnership and corporate form of organization. Projects are incorporated into the assignments. Prerequisite(s): AC 121.

AC 201. Intermediate Accounting I. 3 Hours.
The first accounting course at the professional level for the accounting major, this course begins with a comprehensive review of basic accounting principles and financial statement preparation. The course provides an intensive study of the concepts of future and present value, current assets and current liabilities, the various methods of inventory accounting and costing, plant assets and intangible assets. Prerequisite(s): AC 122.

AC 202. Intermediate Accounting II. 3 Hours.
This course continues the in-depth study of accounting topics in financial accounting, including accounting for income taxes, long-term investments, and long-term liabilities. An intensive study is made of the statement of cash flows and accounting for all phases of corporations including formation, retained earnings, dividends, convertible securities, and earnings per share. Prerequisite(s): AC 201.

AC 211. Managerial Accounting. 3 Hours.
Managerial accounting involves the use of accounting information to make business decisions. Topics covered include cost concepts, cost-volume-profit relationships, capital budgeting, master budgets, cost variances and present value analysis, as well as financial statement analysis. Prerequisite(s): AC 121.

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**AC 499. Accounting Seminar. 3 Hours.**
The instructor and the student develop the subject matter of this course. The material covered consists of current issues and developments and must be relevant to the accounting field.

### Accounting Minor

Students who major in another field offered by the University may choose to complete a minor in accounting with 6 classes and total of 18 credits.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AC 121</td>
<td>Principles of Accounting I</td>
<td>3</td>
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<tr>
<td>AC 122</td>
<td>Principles of Accounting II</td>
<td>3</td>
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<tr>
<td>AC 201</td>
<td>Intermediate Accounting I</td>
<td>3</td>
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<td>AC 202</td>
<td>Intermediate Accounting II</td>
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<tr>
<td>AC 211</td>
<td>Managerial Accounting</td>
<td>3</td>
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<td>AC 441</td>
<td>Federal Taxation I</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
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<td><strong>18</strong></td>
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All students seeking a minor within the School of Accounting must achieve a minimum grade point average of 2.0 in the courses relied upon for earning the designation as well as an average of 2.0 in the courses with the designation of the minor.

### Programs in Business Administration

The undergraduate Business Administration majors, leading to A.S., B.S. and dual BS/MBA degrees, prepare learners for challenging careers in a variety of business fields. In addition to the general business administration degree that provides flexibility for taking electives in diverse areas of study, students may concentrate in: entrepreneurship/small business management, financial management, healthcare management, international business, management, marketing, or create an interdisciplinary programs of study (IPS). In most programs, students
seeking to earn their MBA can do so in conjunction with their B.S. degree in just 5 years. Students also pursuing an MBA may pursue a general path of study with a variety of electives or choose a concentration in: healthcare management, hospitality and tourism management, or organizational management. Students seeking exposure to Business Administration courses may choose a Business Administration Certificate.

Husson University Business Administration majors develop skills, attitudes, and technical knowledge to prepare them for careers in a wide variety of fields that include not only business and industry, but also government and the not-for-profit sector. They work with faculty who combine academic training with industry experience, and consider teaching to be their highest priority. Small class size ensures students receive the attention they need to do their best. Internships, experiential classes, and simulations all provide students with opportunities to practice the skills of business before they leave the college setting.

Requirements for the Major

All Business Administration majors must earn an overall 2.0 cumulative grade-point average as well as a 2.0 in their School of Business courses.

Transfer students must complete a minimum of 30 credits hours at Husson University with a minimum of 15 credit hours in School of Business courses at Husson.

Courses

**BA 101. Introduction to Business. 3 Hours.**
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

**BA 111. Economic Geography. 3 Hours.**
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

**BA 201. Business Law I. 3 Hours.**
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

**BA 202. Business Law II. 3 Hours.**
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

**BA 204. Franchise Formation and Management. 3 Hours.**
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

**BA 205. Real Estate Law. 3 Hours.**
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

**BA 210. Economics Overview for Non-Business Majors. 3 Hours.**
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

**BA 211. Microeconomics. 3 Hours.**
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

**BA 212. Macroeconomics. 3 Hours.**
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

**BA 220. Real Estate Principles and Practices. 3 Hours.**
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

**BA 243. The Business of Innovation. 3 Hours.**
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

**BA 271. Risk Management. 3 Hours.**
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

**BA 299. Topic/. 1 Hour.**
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.
BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or ( Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
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BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.
BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student’s choice summarizes the student’s knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.
BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship I - New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II - Business Plans. 3 Hours.
This course builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 470. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 471. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.
BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student's experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.
BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization’s approach to marketing and strategic positioning.
BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student's preference of location based on that available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator's decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student's personal preferences with regard to location and types of property. However, the student's preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology's effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students' awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.
BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

B.S. Business Administration - General Business

The program objectives for the B.S. Business Administration degree are:

- To explain the major concepts in the functional areas of accounting, marketing, finance and management.
- To evaluate the legal, social and economic environments of business
- To describe the global environment of business
- To apply ethical decision making skills and integrity in an ever-changing, global environment
- To demonstrate oral and written communication skills, appropriate to the profession
- To apply critical problem solving and professional skills in an experiential learning environment

The goal of this program is to prepare business leaders who are effective general managers with expertise in managerial communications, decision making and planning, finance, management, and marketing.
### General Education Courses

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<td>Microeconomics</td>
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<td>BA 212</td>
<td>Macroeconomics</td>
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<td>CM 100</td>
<td>Speech</td>
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<td>EH 123</td>
<td>Rhetoric and Composition I</td>
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<td>EH 124</td>
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<td>EH 200</td>
<td>Approaches to Literature</td>
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<td>HE 111</td>
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<td>MI 111</td>
<td>Introduction to Microcomputing</td>
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<td>MS 141</td>
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<td>MS 132</td>
<td>Probability and Statistics</td>
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<td>or MS 232</td>
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<td>Co-curricular activity and/or community services</td>
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### Business Courses

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<tr>
<td>AC 121</td>
<td>Principles of Accounting I</td>
<td>3</td>
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<tr>
<td>AC 211</td>
<td>Managerial Accounting</td>
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<tr>
<td>BA 101</td>
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<tr>
<td>BA 201</td>
<td>Business Law I</td>
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<tr>
<td>BA 202</td>
<td>Business Law II</td>
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<tr>
<td>BA 302</td>
<td>Business Ethics</td>
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<tr>
<td>BA 310</td>
<td>Organization and Management</td>
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<tr>
<td>BA 311</td>
<td>Human Resource Management</td>
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<tr>
<td>BA 321</td>
<td>Marketing Principles</td>
<td>3</td>
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<tr>
<td>BA 351</td>
<td>Internship</td>
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<tr>
<td>BA 362</td>
<td>Financial Management I</td>
<td>3</td>
</tr>
<tr>
<td>BA 401</td>
<td>Managerial Economics</td>
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<td>BA 411</td>
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<td>BA 414</td>
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<td>BA 490</td>
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<td>Business Related Electives</td>
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### Suggested Course Sequence

#### First Year

<table>
<thead>
<tr>
<th>Term</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Fall</td>
<td>BA 101</td>
<td>Introduction to Business</td>
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<td>EH 123</td>
<td>Global Elective</td>
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<td>MI 111</td>
<td>CM 100</td>
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<td>MS 141</td>
<td>MS 132 or 232</td>
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<td>PY 111</td>
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<td>Spring</td>
<td>HE 111</td>
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#### Second Year

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<th>Term</th>
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<tr>
<td>Fall</td>
<td>AC 121</td>
<td>Principles of Accounting I</td>
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<tr>
<td></td>
<td>BA 201</td>
<td>Managerial Accounting</td>
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<tr>
<td></td>
<td>BA 211</td>
<td>Communications Elective</td>
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<td>EH 200</td>
<td>Foreign Culture and Conversation Elective</td>
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<td>Open Elective</td>
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<tr>
<td>Spring</td>
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#### Third Year

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<th>Term</th>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>Fall</td>
<td>AC 211</td>
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<td></td>
<td>BA 310</td>
<td>Fine Arts Elective</td>
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<td>BA 362</td>
<td>Business-Related Elective</td>
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<td>Lab Science Elective</td>
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#### Fourth Year

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<tr>
<th>Term</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Fall</td>
<td>BA 401</td>
<td>Principles of Accounting I</td>
<td>3</td>
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<tr>
<td></td>
<td>BA 411</td>
<td>Business-Related Elective</td>
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<tr>
<td></td>
<td>Business-Related Elective</td>
<td>Business-Related Elective</td>
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<td>Open Elective</td>
<td>Open Elective</td>
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<tr>
<td>Spring</td>
<td>MI Elective</td>
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Total Hours: 122

*** Credit may not be required for degree completion.

### Courses

**BA 101. Introduction to Business. 3 Hours.**
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

**BA 111. Economic Geography. 3 Hours.**
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.
BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new projects or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or ( Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.
BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.

BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SPC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.
BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and
design Ad campaigns, write copy and design layouts for the different
types/forms of advertising. The students will work with local companies
and assist them in redesign of their ad campaigns. Prerequisite(s):
BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good
salesmanship and sales management. Prior to studying management
principles students practice sales techniques in simulations. Cases
are used to illustrate and evaluate principles of sales management.
Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding
of the fundamentals of successful retail operations. Topics included
are the market concept in retailing, factors of area and market analysis,
and aspects of organizational structure, layout, and personnel planning.
Also covered are methods of pricing, merchandising planning, inventory,
expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis
of marketing problems are examined. Topics include sources of data,
collecting data, sampling, questionnaire construction, tabulating data,
and report preparation; computerized statistical software is used.
Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply
concepts learned in other courses to marketing problems of business
and nonprofit organizations. Cases and business simulations are used
to teach decision-making in the complex environment of business. A
complete marketing plan for a simulated company of the student's choice
summarizes the student's knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property
valuations and analysis. Students will examine market research reports
to gain insight into product and market trends, opportunities, projections,
and growth in the Maine, the US and global real estate markets.
Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility
studies, product pricing, promotion and distribution, franchise broker
contacts, extrapolation of sales and expenses, and the projection of costs
and net profits, emerging markets and capital expansion. Prerequisite(s):
BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student
will understand how to advance sales in light of complex business
environments consisting of layers of buyers, decision makers and those
who influence purchasing decisions. A strategic account planning
process will be analyzed and applied to real companies by way of case
studies. The art and skill of negotiating will be studied and learned
through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different
types of exchange rate systems and how governments attempt to
influence exchange rates. The relationships among interest rate parity,
purchasing power parity, the Fisher effect and International Fisher effect
and exchange rates are analyzed. Students learn how currency futures,
currency options and money market hedges are used to hedge exchange
rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the
foundations of culture, cultural understanding, business customs and
practices in global marketing, assessing global markets, and developing
international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including
justification for exporting/importing, market planning methods, selection
of appropriate marketing mix variables, and regulation. Prerequisite(s):
BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning
the culture, monetary exchanges, imports and exports, local international
market analysis and much more. Prerequisite(s): BA 204 and BA 306
and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers
with the essential concepts of starting and operating small businesses.
Topics covered include: environment and management of small business
enterprise, problems in starting small businesses, financial
and administrative control, and management of business operations.
Particular emphasis is placed on the interrelated nature of the
components, particularly as they affect the financial picture of the firm.
Through a lecture and discussion format, students are expected to share
their own experiences in small businesses with their fellow students.
Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic
and contemporary business theory as it applies to the early stages
of entrepreneurship and intrapreneurship, opportunity recognition,
innovation, and new venture development. Course topics include types
of entrepreneurs, opportunity recognition, marketing, cash and other
resource requirements, financial statements, planning, franchising,
intellectual property, success/failure/resilience, and growth. Class
will use text, cases, articles, internet sources, and guest lecturers.
Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small
Business Management, using the case approach. Cases are drawn from
the text, from actual local small businesses, and from the practical
experience of students in the class. Prerequisite(s): College Level=Junior
or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this
class is on the early stages of formalizing and growing a venture. Topics
include business plan writing, fund raising and cash flow, measuring
and conveying financial position, core strategy development and
competitive advantage, sustainability, international entrepreneurship,
supply chain, growth, and exit. Prerequisite(s): College Level=Junior
or College Level=Senior.
BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.
BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student's experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.
BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization’s approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student’s preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator’s decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student’s personal preferences with regard to location and types of property. However, the student’s preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.
BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students' awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.
BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

B.S. Business Administration - Entrepreneurship & Small Business Management

Students in the Entrepreneurship and Small Business Management concentration study the essential concepts of starting and operating small businesses through a series of eight classes. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, principles of accounting, financial and administrative control, and management of business operations.

Students will also learn the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Topics include: types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth.

In addition to the program objectives of the B.S. Business Administration degree, this concentration requires students to demonstrate subject matter knowledge and competence as applied to a smaller company or family business.

Concentration in Small/Family Business Management

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Replacement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC 122</td>
<td>Principles of Accounting II</td>
<td>Replaces Open Elective</td>
<td>3</td>
</tr>
<tr>
<td>BA 243</td>
<td>The Business of Innovation</td>
<td>Replaces Open Elective</td>
<td>3</td>
</tr>
<tr>
<td>BA 344</td>
<td>Personal Financial Planning</td>
<td>Replaces Business-Related Elective</td>
<td>3</td>
</tr>
<tr>
<td>BA 422</td>
<td>Sales and Sales Management</td>
<td>Replaces Business-Related Elective</td>
<td>3</td>
</tr>
<tr>
<td>BA 440</td>
<td>Small Business Management I</td>
<td>Replaces Open Elective</td>
<td>3</td>
</tr>
<tr>
<td>BA 441</td>
<td>Entrepreneurship I- New Venture Development</td>
<td>Replaces Business-Related Elective</td>
<td>3</td>
</tr>
<tr>
<td>BA 442</td>
<td>Applied Small Business Management</td>
<td>Replaces Business-Related Elective</td>
<td>3</td>
</tr>
<tr>
<td>BA 443</td>
<td>Entrepreneurship II: Business Plans</td>
<td>Replaces Open Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 24

Courses

BA 101. Introduction to Business. 3 Hours.
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.
BA 111. Economic Geography. 3 Hours.
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or ( Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).
BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 356. Internship I. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 361. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 362. Financial Management I. 3 Hours.
The course addresses core financial management concepts such as cash flow, capital structure, financial ratios, capital budgeting, financial forecasting, and financial statements. Prerequisite(s): AC 121 and (AC 122 or AC 211) and MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 364. Financial Management II. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.
BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student’s choice summarizes the student's knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.
BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.
BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student's experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student's leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.
BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization’s approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student’s preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator’s decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student’s personal preferences with regard to location and types of property. However, the student’s preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.
BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students’ awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.
BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

B.S. in Business Administration
Concentration in Financial Management

Students in the Financial Management concentration study personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management in the first part of the program followed by real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Students take 7 required courses focusing on national and international perspectives of financial management, investments, risk management and personal financial planning.

In addition to the program objectives of the B.S. Business Administration degree, this concentration requires students to:

• Demonstrate knowledge of present value principles and capital budgeting decisions
• Utilize information and skill to make financing and capital structure decisions relating to long-term investments
• Apply international finance decision making and calculate hedge exchange rate risks

Concentration in Financial Management

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AC 122</td>
<td>Principles of Accounting I</td>
<td>3</td>
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<tr>
<td>BA 344</td>
<td>Personal Financial Planning</td>
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<tr>
<td>BA 364</td>
<td>Financial Management II</td>
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<td>BA 434</td>
<td>International Finance</td>
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<td>BA 440</td>
<td>Small Business Management I</td>
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<td>BA 460</td>
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<td>BA 464</td>
<td>Bank &amp; Financial Services Management</td>
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Total Hours 21

Courses

BA 101. Introduction to Business. 3 Hours.
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

BA 111. Economic Geography. 3 Hours.
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.
BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.
BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.

BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategy to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.
BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and
design Ad campaigns, write copy and design layouts for the different
types/forms of advertising. The students will work with local companies
and assist them in redesign of their ad campaigns. Prerequisite(s):
BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good
salesmanship and sales management. Prior to studying management
principles students practice sales techniques in simulations. Cases
are used to illustrate and evaluate principles of sales management.
Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding
of the fundamentals of successful retail operations. Topics included
are the market concept in retailing, factors of area and market analysis,
and aspects of organizational structure, layout, and personnel planning.
Also covered are methods of pricing, merchandising planning, inventory,
expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis
of marketing problems are examined. Topics include sources of data,
collecting data, sampling, questionnaire construction, tabulating data,
and report preparation; computerized statistical software is used.
Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply
concepts learned in other courses to marketing problems of business
and nonprofit organizations. Cases and business simulations are used
to teach decision-making in the complex environment of business. A
complete marketing plan for a simulated company of the student’s choice
summarizes the student’s knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property
valuations and analysis. Students will examine market research reports
to gain insight into product and market trends, opportunities, projections,
and growth in the Maine, the US and global real estate markets.
Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility
studies, product pricing, promotion and distribution, franchise broker
contacts, extrapolation of sales and expenses, and the projection of costs
and net profits, emerging markets and capital expansion. Prerequisite(s):
BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student
will understand how to advance sales in light of complex business
environments consisting of layers of buyers, decision makers and those
who influence purchasing decisions. A strategic account planning
process will be analyzed and applied to real companies by way of case
studies. The art and skill of negotiating will be studied and learned
through role play. Prerequisite(s): BA 422.

BA 429. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic
and contemporary business theory as it applies to the early stages
of entrepreneurship and intrapreneurship, opportunity recognition,
innovation, and new venture development. Course topics include types
of entrepreneurs, opportunity recognition, marketing, cash and other
resource requirements, financial statements, planning, franchising,
intellectual property, success/failure/resilience, and growth. Class
will use text, cases, articles, internet sources, and guest lecturers.
Prerequisite(s): College Level=Senior or College Level=Junior.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers
with the essential concepts of starting and operating small businesses.
Topics covered include: environment and management of small
business enterprise, problems in starting small businesses, financial
and administrative control, and management of business operations.
Particular emphasis is placed on the interrelated nature of the
components, particularly as they affect the financial picture of the firm.
Through a lecture and discussion format, students are expected to share
their own experiences in small businesses with their fellow students.
Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship II: Business Plans. 3 Hours.
This course builds on BA 441, New Venture Development. The focus of this
class is on the early stages of formalizing and growing a venture. Topics
include business plan writing, fund raising and cash flow, measuring
and conveying financial position, core strategy development and
competitive advantage, sustainability, international entrepreneurship,
supply chain, growth, and exit. Prerequisite(s): College Level=Junior or
College Level=Senior.
BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinbursement; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.
BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student's experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local enterprises, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.
BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization's approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product offering. We will also examine the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 725. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on the student's preferences with regard to location and types of property. However, the student's preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.
BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students’ awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.
BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

B.S. Business Administration - Healthcare Management

Healthcare Agencies nationwide have increased their demand for astute, well-rounded individuals to effectively manage day-to-day needs. The B.S. Business Administration - Healthcare Management concentration degree can challenge students to explore the organizational structure of healthcare institutions and develop an understanding of the interrelatedness of psychological, social, cultural and political factors in healthcare delivery, organizational culture and healthcare management. Further, organizations need employees with an understanding of financial reimbursement, human resources, and law. Many of the healthcare related classes are listed below and additional specialized topics classes will be offered that can be approved by a student’s Advisor to fulfill the Healthcare Electives.

In addition to the program objectives of the B.S. Business Administration degree, this concentration requires students to demonstrate an understanding of current healthcare financing, important healthcare management concepts, and national healthcare policy issues.

Concentration in Healthcare Management

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HS 101</td>
<td>Introduction to Health Care Studies</td>
<td>3</td>
</tr>
<tr>
<td>HS 121</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>HS 311</td>
<td>Healthcare Management and Organization</td>
<td>3</td>
</tr>
<tr>
<td>HS 321</td>
<td>Healthcare Law and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>HS 411</td>
<td>Health Economics and Policy</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Healthcare Elective</td>
<td>6</td>
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<td></td>
<td>Total Hours</td>
<td>21</td>
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</tbody>
</table>

BA Courses

BA 101. Introduction to Business. 3 Hours.
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

BA 111. Economic Geography. 3 Hours.
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.
BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or ( Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.
BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.

BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.
BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and
design Ad campaigns, write copy and design layouts for the different
types/forms of advertising. The students will work with local companies
and assist them in redesign of their ad campaigns. Prerequisite(s):
BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good
salesmanship and sales management. Prior to studying management
principles students practice sales techniques in simulations. Cases
are used to illustrate and evaluate principles of sales management.
Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding
of the fundamentals of successful retail operations. Topics included
are the market concept in retailing, factors of area and market analysis,
and aspects of organizational structure, layout, and personnel planning.
Also covered are methods of pricing, merchandising planning, inventory,
expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis
of marketing problems are examined. Topics include sources of data,
collecting data, sampling, questionnaire construction, tabulating data,
and report preparation; computerized statistical software is used.
Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply
courses to business problems of business
and nonprofit organizations. Cases and business simulations are used
to teach decision-making in the complex environment of business. A
complete marketing plan for a simulated company of the student’s choice
summarizes the student’s knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property
valuations and analysis. Students will examine market research reports
to gain insight into market trends, opportunities, projections,
and growth in the Maine, the US and global real estate markets.
Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This course will focus on analysis of market demographics, feasibility
studies, product pricing, promotion and distribution, franchise broker
contacts, extrapolation of sales and expenses, and the projection of costs
and net profits, emerging markets and capital expansion. Prerequisite(s):
BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student
will understand how to advance sales in light of complex business
environments consisting of layers of buyers, decision makers and those
who influence purchasing decisions. A strategic account planning
process will be analyzed and applied to real companies by way of case
studies. The art and skill of negotiating will be studied and learned
through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different
types of exchange rate systems and how governments attempt to
influence exchange rates. The relationships among interest rate parity,
purchasing power parity, the Fisher effect and International Fisher effect
and exchange rates are analyzed. Students learn how currency futures,
currency options and money market hedges are used to hedge exchange
rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the
foundations of culture, cultural understanding, business customs and
practices in global marketing, assessing global markets, and developing
international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including
justification for exporting/importing, market planning methods, selection
of appropriate marketing mix variables, and regulation. Prerequisite(s):
BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning
the culture, monetary exchanges, imports and exports, local international
market analysis and much more. Prerequisite(s): BA 204 and BA 306
and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers
with the essential concepts of starting and operating small businesses.
Topics covered include: environment and management of small
business enterprise, problems in starting small businesses, financial
and administrative control, and management of business operations.
Particular emphasis is placed on the interrelated nature of the
components, particularly as they affect the financial picture of the firm.
Through a lecture and discussion format, students are expected to share
their own experiences in small businesses with their fellow students.
Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic
and contemporary business theory as it applies to the early stages
of entrepreneurship and intrapreneurship, opportunity recognition,
innovation, and new venture development. Course topics include types
of entrepreneurs, opportunity recognition, marketing, cash and other
resource requirements, financial statements, planning, franchising,
intellectual property, success/failure/resilience, and growth. Class
will use text, cases, articles, internet sources, and guest lecturers.
Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small
Business Management, using the case approach. Cases are drawn from
the text, from actual local small businesses, and from the practical
experience of students in the class. Prerequisite(s): College Level=Junior
or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This course builds on BA 441, New Venture Development. The focus of this
course is on the early stages of formalizing and growing a venture. Topics
include business plan writing, fund raising and cash flow, measuring
and conveying financial position, core strategy development and
competitive advantage, sustainability, international entrepreneurship,
supply chain, growth, and exit. Prerequisite(s): College Level=Junior or
College Level=Senior.
BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRILI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 477. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.
BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student's experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.
BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization’s approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student’s preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator’s decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student’s personal preferences with regard to location and types of property. However, the student’s preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.
BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students’ awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and refocus organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.
BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*.

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

HS Courses

HS 100. Overview of Careers in Health Care. 1 Hour.
This course introduces the students to the different employment possibilities for a Health Care Studies graduate. Seminars will feature invited speakers to discuss how their company works and what positions they might have for a graduate in Health Care Studies. In addition Students can visit different facilities to see first-hand how their studies in Health Care can be applied to different job settings through virtual tours.

HS 101. Introduction to Health Care Studies. 3 Hours.
This course will introduce the students to the health care industry, and will consist of lectures, readings, discussions, and visiting professionals. While the principal goal will be to inform students of the necessary skills needed to succeed in the health care field, a secondary goal will have the student be able to articulate a description of the background to almost any article relating to the challenges of national health care.

HS 121. Medical Terminology. 3 Hours.
This course introduces students to the language used in describing and coding of clinical visits, medical procedures and on medical forms. The ability to understand complex medical terms will be gained by the analysis of prefixes, word roots and suffixes. Coding of diseases (ICD-9) and medical insurance language will also be emphasized.

HS 299. Topic. 1-3 Hour.
This course is intended to provide the opportunity to offer courses in health care studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

HS 301. Introduction to Public Health. 3 Hours.
This course is an introductory overview of the U.S. Public Health System with an emphasis on the core areas of public health, challenges and strategies for working with communities, and specific health issues that impact the health of the population. We will look at environmental and behavior factors associated with health promotion and disease prevention and view different national programs and programs going on in Maine.

HS 311. Healthcare Management and Organization. 3 Hours.
This course will introduce junior year students to the complexity of healthcare organizations and how they are managed. An overview of the historical development of the modern healthcare organization, as well as the contemporary management roles and functions within them, will be reviewed. Measuring performance and quality improvement will also be taught. The importance of the roles of physicians, nurses, as well as other professionals and support staff will be highlighted. Theories of healthcare leadership will also be explored. Prerequisite(s): (HS 101) or ( Major=MS Occupational Therapy and ( College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior)).

HS 321. Healthcare Law and Ethics. 3 Hours.
This course is a summation and integration of Ethics and Law within the context of healthcare delivery. The class will be introduced to the ethical and moral considerations of the healthcare professions by exploring their historical development. Students will also discover how the law influences the healthcare profession and be introduced to our complex legal structure through exposure to case law and regulations. Prerequisite(s): HS 101 and HS 121 and PH 110.
**HS 401. Medical Databases. 3 Hours.**
This course is designed as a continuation of HS 121 (medical terminology) and MI 214. Students will learn about and contrast different types of electronic medical records systems. They will learn how to transfer and share data with people from same clinics to people outside of the system and learn about the ethical and legal issues of sharing data. Prerequisite(s): HS 121 and (MI 111 or MI 214).

**HS 411. Health Economics and Policy. 3 Hours.**
This course will introduce senior Health Care Studies students to beginning healthcare economics and its influence on health policy. The course will emphasize the economic issues of scarcity, choice, supply and demand, marginal analysis, substitutes, and externalities as they relate to health care policies. National health insurance, as a rapidly evolving idea for the future, will also be analyzed and evaluated. Prerequisite(s): HS 101 and HS 311.

**HS 421. Health Care Studies Senior Experience. 3 Hours.**
This course combines students past course work into one research project. Each student will be required to plan and carry out an investigation into some health area of interest and write-up and report their experiences and results to the whole class. In addition they will put together a portfolio, resume and cover letter for a job of their choice. Prerequisite(s): Major=BS Health Care Studies.

**HS 499. Topic/. 1-6 Hour.**
This course offers the students experiences in a work and/or research environment dedicated to health care or public health. Each student chooses and contacts a hospital, clinic, health center, public health department or health care business and spends a total of 100 hours in that setting. Activities will include training/orientation, work on projects relevant to the mission of the agency, observation of agency work processes, and other assigned work from the site liaison. Students keep daily journals and meet three times during the semester for training and to share their experiences. Prerequisite(s): Major=BS Health Care Studies and (College Level=Junior or College Level=Senior).

**All approved IPS programs leading to the degree of Bachelor's of Business Administration will incorporate the following features, including:**

1. All required General Education requirements;
2. All general business courses;
3. Business electives as necessary to support the development of at least two (2) areas of concentration totaling 30 credit hours (including at least 15 hours completed at Husson with a 2.0 grade point average or better among these courses), resulting in a comprehensive program of study totaling not less than 124 credit hours.

In addition to the program objectives of the B.S. Business Administration degree, this concentration requires students to demonstrate the learning outcomes for the two relative concentrations chosen from the College of Business. Thus, students should refer to the corresponding learning outcomes for those concentrations.

The following curriculum should be followed by the Advisor and student to ensure that all degree requirements are met.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BA 211</td>
<td>Microeconomics</td>
<td>3</td>
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<tr>
<td>BA 212</td>
<td>Macroeconomics</td>
<td>3</td>
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<tr>
<td>CM 100</td>
<td>Speech</td>
<td>3</td>
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<td>CM 221</td>
<td>Professional Communications</td>
<td>3</td>
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<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
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<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
<td>3</td>
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<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
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<tr>
<td>HE 111</td>
<td>The Husson Experience ***</td>
<td>1</td>
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<tr>
<td>HY 211</td>
<td>American National Government</td>
<td>3</td>
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<tr>
<td>MI 111</td>
<td>Introduction to Microcomputing</td>
<td>3</td>
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<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
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<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
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<tr>
<td>MS 232</td>
<td>Finite Mathematics</td>
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<tr>
<td>PY 111</td>
<td>General Psychology</td>
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<tr>
<td>Science Elective</td>
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<td>Global Elective</td>
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<td>Foreign Culture &amp; Conversation Elective</td>
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<td>Fine Arts Elective</td>
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<td>Co-curricular activity and/or community service</td>
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<td>General Business Courses</td>
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<tr>
<td>AC 121</td>
<td>Principles of Accounting I</td>
<td>3</td>
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<tr>
<td>AC 211</td>
<td>Managerial Accounting</td>
<td>3</td>
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<tr>
<td>BA 101</td>
<td>Introduction to Business</td>
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<tr>
<td>BA 201</td>
<td>Business Law I</td>
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<tr>
<td>BA 202</td>
<td>Business Law II</td>
<td>3</td>
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<tr>
<td>BA 302</td>
<td>Business Ethics</td>
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<tr>
<td>BA 310</td>
<td>Organization and Management</td>
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<td>BA 311</td>
<td>Human Resource Management</td>
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<td>BA 321</td>
<td>Marketing Principles</td>
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<td>BA 362</td>
<td>Financial Management I</td>
<td>3</td>
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<tr>
<td>BA 401</td>
<td>Managerial Economics</td>
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<td>BA 411</td>
<td>Organizational Behavior</td>
<td>3</td>
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<td>BA 414</td>
<td>Business Strategy</td>
<td>3</td>
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<tr>
<td>BA 490</td>
<td>International Business</td>
<td>3</td>
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**B.S. Business Administration - Interdisciplinary Program of Study (IPS)**

**The Program**

Students must complete an approved program of study having no fewer than 124 credit hours of college level work that demonstrates a broad base in business administration, and also demonstrates a significant concentration of study in two or more distinct business concentrations.

It is expected that the approved program of study be filed with the Dean of Business as soon as possible but preferably prior to beginning course work as a third year student (> 60 credit hours). In the event that program approval is sought after beginning the third year’s work, an academic program totaling more than 124 credit hours may be required in order to satisfy all requirements.

**Basic Guidelines**
AREAS OF CONCENTRATION

First Concentration (15 credits minimum) 15
Second Concentration (15 credits minimum) 15
Total Hours 125

*** Credit may not be required for degree completion.

Courses

BA 101. Introduction to Business. 3 Hours.
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

BA 111. Economic Geography. 3 Hours.
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal-Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.
BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or ( Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.

BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.
BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experimental in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student’s choice summarizes the student’s knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.
BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.
BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student’s experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA 602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: the use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.
BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization's approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.
BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student's preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator's decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student's personal preferences with regard to location and types of property. However, the student's preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students’ awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.
BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

### B.S. Business Administration Concentration in International Business

Students in the International Business concentration study the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economics, finance, marketing and exporting-importing are emphasized.

As part of a capstone experience, students participate in a computerized simulation which provides experiential learning incorporating all areas of international business and business administration studies. Further, experience with hands-on micro-lending prepares students beyond the traditional classroom education.

In addition to the program objectives of the B.S. Business Administration degree, this concentration requires students to utilize cross cultural literacy in the analysis of foreign political, economic, and legal systems.

#### Concentration in International Business

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BA 111</td>
<td>Economic Geography (Replaces Open Elective)</td>
<td>3</td>
</tr>
<tr>
<td>BA 243</td>
<td>The Business of Innovation (Replaces Open Elective)</td>
<td>3</td>
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<tr>
<td>BA 271</td>
<td>Risk Management (Replaces Open Elective)</td>
<td>3</td>
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<tr>
<td>BA 434</td>
<td>International Finance (Replaces Business-Related Elective)</td>
<td>3</td>
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<tr>
<td>BA 437</td>
<td>International Marketing (Replaces Business-Related Elective)</td>
<td>3</td>
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<tr>
<td>BA 438</td>
<td>Export-Import Procedures Elective (Replaces Business-Related Elective)</td>
<td>3</td>
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<tr>
<td>BA 475</td>
<td>E-Business and E-Commerce for Managers (Replaces Open Elective)</td>
<td>3</td>
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<tr>
<td>or MC 322</td>
<td>Social Media Marketing (Replaces Open Elective)</td>
<td>3</td>
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<tr>
<td>SY 222</td>
<td>Cultural Anthropology (Fulfills Global Elective)</td>
<td>3</td>
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Total Hours 24
Courses

BA 101. Introduction to Business. 3 Hours.
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

BA 111. Economic Geography. 3 Hours.
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.
BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or ( Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 356. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 357. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.
BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics include the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student's choice summarizes the student's knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.
BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 463. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 464. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the history and philosophy of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.
BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student’s experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.
BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization's approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.
BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student's preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator’s decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student’s personal preferences with regard to location and types of property. However, the student’s preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students’ awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate scam, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.
BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

B.S. Business Administration Concentration in Management

Students in the Management concentration study organization systems and methods of management for staff, supervisors and administrators. These management theories apply to corporations, small businesses, and non-profit organizations. Students take courses that cover strategic decision making, policy, organizational theory and behavior, marketing, human resource management, sales and operations.

In addition to the program objectives of the B.S. Business Administration degree, this concentration requires students to integrate and apply administrative and organizational principles and theory to human resource management, decision making, operations management and other systems.

Concentration in Management

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AC 122</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BA 271</td>
<td>Risk Management</td>
<td>3</td>
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<tr>
<td>BA 375</td>
<td>Supply Chain Management</td>
<td>3</td>
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<tr>
<td>BA 422</td>
<td>Sales and Sales Management</td>
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<td>BA 425</td>
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<td>BA 440</td>
<td>Small Business Management I</td>
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<tr>
<td>BA 464</td>
<td>Bank &amp; Financial Services Management</td>
<td>3</td>
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Total Hours: 24
Courses

BA 101. Introduction to Business. 3 Hours.
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

BA 111. Economic Geography. 3 Hours.
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.
BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 211 or (Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.
BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics include the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student's choice summarizes the student's knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.
BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.
BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student’s experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.
BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization's approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.
BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of hospitality law for managers, and other professionals. Some of the areas of study include and are not limited to torts, products liability, constitutional and criminal law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student's preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator's decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student's personal preferences with regard to location and types of property. However, the student's preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology's effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and placing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment, and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skill set of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students' awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.
### BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

### BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

### BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

### BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

### BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

### BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

### BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

### BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

### BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

### BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

## B.S. Business Administration Concentration in Marketing

Students in the Marketing concentration study the components of marketing structure and the modern concepts of marketing. Marketing involves understanding the development of new products or enhancement of existing products, the price of products, communication and distribution of the products. Additionally, the legal environment, segmentation, the international market, consumer behavior, research, retailing and advertising are studied.

In addition to the program objectives of the B.S. Business Administration degree, this concentration requires students to:

- Demonstrate knowledge of basic principles of marketing
- Demonstrate knowledge of the importance of global markets
- Apply statistical, problem solving and critical thinking skills

### Concentration in Marketing

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Replaces</th>
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</thead>
<tbody>
<tr>
<td>BA 243</td>
<td>The Business of Innovation</td>
<td>3</td>
<td>Open Elective</td>
</tr>
<tr>
<td>BA 271</td>
<td>Risk Management</td>
<td>3</td>
<td>Open Elective</td>
</tr>
<tr>
<td>BA 375</td>
<td>Supply Chain Management</td>
<td>3</td>
<td>Open Elective</td>
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<tr>
<td>BA 421</td>
<td>Integrated Marketing Communication and</td>
<td>3</td>
<td>Business-Related Elective</td>
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<td></td>
<td>Advertising</td>
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<tr>
<td>BA 422</td>
<td>Sales and Sales Management</td>
<td>3</td>
<td>Business-Related Elective</td>
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<tr>
<td>BA 424</td>
<td>Marketing Research</td>
<td>3</td>
<td>Open Elective</td>
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<tr>
<td>BA 425</td>
<td>Marketing Management</td>
<td>3</td>
<td>Business-Related Elective</td>
</tr>
<tr>
<td>BA 437</td>
<td>International Marketing</td>
<td>3</td>
<td>Business-Related Elective</td>
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<tr>
<td>BA 475</td>
<td>E-Business and E-Commerce for Managers</td>
<td>3</td>
<td>Open Elective</td>
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<td></td>
<td>or Social Media Marketing</td>
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### Total Hours 27
Courses

BA 101. Introduction to Business. 3 Hours.
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

BA 111. Economic Geography. 3 Hours.
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.
BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or ( Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.
BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student’s choice summarizes the student’s knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.
BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.
BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student’s experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.
BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization’s approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.
BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student’s preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator’s decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student’s personal preferences with regard to location and types of property. However, the student’s preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students’ awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.
BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

B.S. Business Administration/M.B.A.

The dual B.S. in Business Administration / M.B.A. degree program affords students the opportunity to earn both degrees in five years as opposed to the six years it would take to pursue the degrees separately.

Students have the opportunity to choose from specific areas of interest for an added concentration in their B.S. degree such as entrepreneurship/ small business management, financial management, healthcare management, international business, management or marketing. Similarly, students can add a concentration to their MBA degree such as healthcare management, hospitality and tourism management, organizational management, biotechnology and innovation or risk management.

Requirements for Major

Students are expected to achieve and maintain a GPA of 3.0 in their undergraduate program in order to take graduate classes. Further, Students must maintain a 3.0 in graduate classes to remain in the MBA portion of the program.

Please select from the particular programs for more detailed information.

GENERAL EDUCATION COURSES
BA 302 Business Ethics 3
BA 351 Internship 3
BA 490 International Business 3
CM 100 Speech 3
EH 123 Rhetoric and Composition I 3
EH 124 Rhetoric and Composition II 3
EH 200 Approaches to Literature 3
HE 111 The Husson Experience """" 1
MI 111 Introduction to Microcomputing 3
MS 141 Contemporary College Algebra 4
MS 132 Probability and Statistics 3
or MS 232 Finite Mathematics 3
PY 111 General Psychology 3
Communications Elective 3
### Fine Arts Elective 
3
### Foreign Culture & Conversation Elective 
3
### Global Elective 
3
### SC Science Elective 
3
### Open Electives 
15
### Community Service 
3

#### BUSINESS COURSES

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>AC 121</td>
<td>Principles of Accounting I</td>
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</tr>
<tr>
<td>AC 211</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BA 101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BA 201</td>
<td>Business Law I</td>
<td>3</td>
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<tr>
<td>BA 202</td>
<td>Business Law II</td>
<td>3</td>
</tr>
<tr>
<td>BA 211</td>
<td>Microeconomics</td>
<td>3</td>
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<td>Macroeconomics</td>
<td>3</td>
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<tr>
<td>BA 310</td>
<td>Organization and Management</td>
<td>3</td>
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<tr>
<td>BA 311</td>
<td>Human Resource Management</td>
<td>3</td>
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<tr>
<td>BA 321</td>
<td>Marketing Principles</td>
<td>3</td>
</tr>
<tr>
<td>BA 362</td>
<td>Financial Management I</td>
<td>3</td>
</tr>
<tr>
<td>BA 401</td>
<td>Managerial Economics</td>
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<td>BA 411</td>
<td>Organizational Behavior</td>
<td>3</td>
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<tr>
<td>BA 414</td>
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### MI Elective 

### GRADUATE COURSES

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>BA 600</td>
<td>Research Methods in Business and Education</td>
<td>3</td>
</tr>
<tr>
<td>BA 605</td>
<td>Management Communications</td>
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<tr>
<td>BA 625</td>
<td>Global Strategic Management</td>
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<tr>
<td>BA 642</td>
<td>Leadership in Business and Professions</td>
<td>3</td>
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<tr>
<td>BA 643</td>
<td>Strategic Change Management</td>
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Select one of the Following:

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BA 621</td>
<td>Marketing Management</td>
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<tr>
<td>BA 712</td>
<td>Strategic Marketing for Nonprofit Organizations</td>
<td>3</td>
</tr>
<tr>
<td>BA 720</td>
<td>Advanced Sales and Marketing in Hospitality</td>
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### Total Business Electives 
12

### Graduation Electives 

### Third Year

#### Fall

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<tr>
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<tr>
<td>BA 310</td>
<td>Business-Related Elective</td>
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<tr>
<td>BA 321</td>
<td>Lab Science Elective</td>
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<tr>
<td>BA 362</td>
<td>Fine Arts Elective</td>
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### Fourth Year

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<tr>
<td>BA 411</td>
<td>Bachelor of Science Degree Elective</td>
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<td>BA 600</td>
<td>Bachelor of Science Degree Elective</td>
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<td>BA 605</td>
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<td>BA 720</td>
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### Fifth Year

#### Fall

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<tr>
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<tr>
<td>Business-Related Elective</td>
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<td>Business-Related Elective</td>
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<tr>
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<td>Open Elective</td>
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### Total Hours: 152

*** Credit may not be required for degree completion.***

#### Courses

**BA 101. Introduction to Business. 3 Hours.**

This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.
BA 111. Economic Geography. 3 Hours.
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or ( Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).
BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 356. Internship VI. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 357. Internship VII. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 358. Internship VIII. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 359. Internship IX. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 360. Internship X. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 361. Internship XI. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.
BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student’s choice summarizes the student’s knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.
BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.
BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student's experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.
BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization’s approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, who can be or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student’s preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator’s decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student’s personal preferences with regard to location and types of property. However, the student’s preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.
BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students’ awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.
BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

B.S. Business Administration - Entrepreneurship & Small Business Management/M.B.A.

Students in the Entrepreneurship and Small Business Management concentration study the essential concepts of starting and operating small businesses through a series of eight classes. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations.

Students will also learn the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Topics include: types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth.

In addition to the program objectives of the B.S. Business Administration degree, this concentration requires students to demonstrate subject matter knowledge and competence as applied to a smaller company or family business.

Students must also achieve the program objectives of the MBA degree.

Concentration in Small Business Management

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BA 243</td>
<td>The Business of Innovation</td>
<td>3</td>
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<tr>
<td>BA 344</td>
<td>Personal Financial Planning</td>
<td>Replaces Business-Related Elective</td>
</tr>
<tr>
<td>BA 422</td>
<td>Sales and Sales Management</td>
<td>3</td>
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<tr>
<td>BA 440</td>
<td>Small Business Management</td>
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<tr>
<td>BA 441</td>
<td>Entrepreneurship I - New Venture Development</td>
<td>3</td>
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<tr>
<td>BA 442</td>
<td>Applied Small Business Management</td>
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<tr>
<td>BA 443</td>
<td>Entrepreneurship II: Business Plans</td>
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Graduate Business Courses

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BA 600</td>
<td>Research Methods in Business and Education</td>
<td>3</td>
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<tr>
<td>BA 605</td>
<td>Management Communications</td>
<td>3</td>
</tr>
<tr>
<td>BA 625</td>
<td>Global Strategic Management</td>
<td>3</td>
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<tr>
<td>BA 642</td>
<td>Leadership in Business and Professions</td>
<td>3</td>
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<tr>
<td>BA 643</td>
<td>Strategic Change Management</td>
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Choose one of the following:

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<tr>
<th>Course Code</th>
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<tr>
<td>BA 621</td>
<td>Marketing Management</td>
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<tr>
<td>BA 712</td>
<td>Strategic Marketing for Nonprofit Organizations</td>
</tr>
<tr>
<td>BA 720</td>
<td>Advanced Sales and Marketing in Hospitality</td>
</tr>
</tbody>
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Graduate Business Elective 12

Total Hours 54
Courses

BA 101. Introduction to Business. 3 Hours.
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

BA 111. Economic Geography. 3 Hours.
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy; national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.
BA 311. Human Resource Management. 3 Hours.

This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or (Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.

This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.

The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.

This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.

This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.

In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.

In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.

In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.

In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.

In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 362. Financial Management I. 3 Hours.

The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.

The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 375. Supply Chain Management. 3 Hours.

This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.

This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.
BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student’s choice summarizes the student’s knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 321.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.
BA 441. Entrepreneurship I- New Venture Development. 3 Hours.  
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.  
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 444. Entrepreneurship II: Business Plans. 3 Hours.  
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 460. Investments. 3 Hours.  
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.  
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.  
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.  
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.  
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.  
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.  
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.  
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.  
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.  
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.  
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.  
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.  
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.
BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student’s experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.
BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization’s approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with a detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.
BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student's preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator's decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student's personal preferences with regard to location and types of property. However, the student's preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students' awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.
BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

B.S. Business Administration - Financial Management/M.B.A.
Students in the Financial Management concentration study personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management in the first part of the program followed by real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Students take 7 required courses focusing on national and international perspectives of financial management, investments, risk management and personal financial planning.

In addition to the program objectives of the B.S. Business Administration degree, this concentration requires students to:

- Demonstrate knowledge of present value principles and capital budgeting decisions
- Utilize information and skill to make financing and capital structure decisions relating to long-term investments
- Apply international finance decision making and calculate hedge exchange rate risks

Students must also achieve the program objectives of the MBA degree.

### Concentration in Financial Management

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AC 122</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>BA 344</td>
<td>Personal Financial Planning</td>
<td>3</td>
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<tr>
<td>BA 364</td>
<td>Financial Management II</td>
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<td>BA 434</td>
<td>International Finance</td>
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<td>BA 440</td>
<td>Small Business Management I</td>
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<td>BA 460</td>
<td>Investments</td>
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<td>BA 464</td>
<td>Bank &amp; Financial Services Management</td>
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<tr>
<td>BA 600</td>
<td>Research Methods in Business and Education</td>
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### Graduate Business Courses

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<td>BA 799</td>
<td>Topic</td>
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Courses

BA 101. Introduction to Business. 3 Hours.
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

BA 111. Economic Geography. 3 Hours.
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.
BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or (Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.

BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.
BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategy to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student’s choice summarizes the student's knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.
BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm, and, to a lesser degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.
BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student’s experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.
BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization’s approach to marketing and strategic positioning.
BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student’s preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator’s decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student’s personal preferences with regard to location and types of property. However, the student’s preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students’ awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.
BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

B.S. Business Administration - Healthcare Management/M.B.A.

Healthcare Agencies nationwide have increased their demand for astute, well-rounded individuals to effectively manage day-to-day needs. The B.S.Business Administration - Healthcare Management concentration degree can challenge students to explore the organizational structure of healthcare institutions and develop an understanding of the interrelatedness of psychological, social, cultural and political factors in healthcare delivery, organizational culture and healthcare management. Further, organizations need employees with an understanding of financial reimbursement, human resources, and law. Many of the healthcare related classes are listed below and additional specialized topics classes will be offered that can be approved by a student’s Advisor to fulfill the Healthcare Electives.

In addition to the program objectives of the B.S. Business Administration degree, this concentration requires students to demonstrate an understanding of current healthcare financing, important healthcare management concepts, and national healthcare policy issues.
Further, students must achieve the program objectives for the MBA degree.

### Concentration in Healthcare Management

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HS 101</td>
<td>Introduction to Health Care Studies</td>
<td>3</td>
</tr>
<tr>
<td>HS 121</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>HS 311</td>
<td>Healthcare Management and Organization</td>
<td>3</td>
</tr>
<tr>
<td>HS 321</td>
<td>Healthcare Law and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>HS 411</td>
<td>Health Economics and Policy</td>
<td>3</td>
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Healthcare Elective **Replaces 2 Business-Related Electives** 6

### Graduate Business Classes

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BA 600</td>
<td>Research Methods in Business and Education</td>
<td>3</td>
</tr>
<tr>
<td>BA 605</td>
<td>Management Communications</td>
<td>3</td>
</tr>
<tr>
<td>BA 625</td>
<td>Global Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 642</td>
<td>Leadership in Business and Professions</td>
<td>3</td>
</tr>
<tr>
<td>BA 643</td>
<td>Strategic Change Management</td>
<td>3</td>
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Select one of the following: 3

- BA 621 Marketing Management
- BA 712 Strategic Marketing for Nonprofit Organizations
- BA 720 Advanced Sales and Marketing in Hospitality

Graduate-Related Elective **Replaces Open Elective** 12

Total Hours 51

### BA Courses

#### BA 101. Introduction to Business. 3 Hours.
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

#### BA 111. Economic Geography. 3 Hours.
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

#### BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

#### BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

#### BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

#### BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

#### BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

#### BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

#### BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

#### BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

#### BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

#### BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

#### BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.
BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal-Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or (Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.
BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior through analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesman and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student's choice summarizes the student's knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.
BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the
foundations of culture, cultural understanding, business customs and
practices in global marketing, assessing global markets, and developing
international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including
justification for exporting/importing, market planning methods, selection
of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning
the culture, monetary exchanges, imports and exports, local international
market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers
with the essential concepts of starting and operating small businesses.
Topics covered include: environment and management of small
business enterprise, problems in starting small businesses, financial
and administrative control, and management of business operations.
Particular emphasis is placed on the interrelated nature of the
components, particularly as they affect the financial picture of the firm.
Through a lecture and discussion format, students are expected to share
their own experiences in small businesses with their fellow students.
Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship I - New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic
and contemporary business theory as it applies to the early stages
of entrepreneurship and intrapreneurship, opportunity recognition,
innovation, and new venture development. Course topics include types
of entrepreneurs, opportunity recognition, marketing, cash and other
resource requirements, financial statements, planning, franchising,
intellectual property, success/failure/resilience, and growth. Class
will use text, cases, articles, internet sources, and guest lecturers.
Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small
Business Management, using the case approach. Cases are drawn from
the text, from actual local small businesses, and from the practical
experience of students in the class. Prerequisite(s): College Level=Junior or
College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this
class is on the early stages of formalizing and growing a venture. Topics
include business plan writing, fund raising and cash flow, measuring
and conveying financial position, core strategy development and
competitive advantage, sustainability, international entrepreneurship,
supply chain, growth, and exit. Prerequisite(s): College Level=Junior or
College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment
instruments, topics include stock and bond quotations and trading
procedures, rate of return, margin trading, stock indexes, stock and bond
valuation, risk and return, portfolio theory, active and passive portfolio
management, and investment performance evaluation. Prerequisite(s):
BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial
management of a banking firm and, to a smaller degree, of other financial
intermediaries. Emphasis will be on products, roles, regulatory framework,
and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to
come familiar with the scope and nature of organizations that work
with genetics within biotechnology industries. Through extensive case
studies, students focus on the dynamics of these enterprises; their
organizational structures, the regulatory considerations of these entities,
and how organizational cultures are created to enhance opportunities for
innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal
application and for those responsible for administering benefit plans for
employees; it provides the necessary information required to pass the
State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance
business, including a summary of legal aspects, types of insurers and
principles of reinsurance; next, each type of insurance is studied in
detail. Topics covered are fire, consequential loss, inland marine, ocean
marine, theft and surety, liability and miscellaneous property insurance.
Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles
of the appraisal process. The student will become familiar with
the three approaches to value. Site valuation, construction costs,
depreciation; comparables selection and adjustments; rental multipliers;
and reconciliation will be discussed. The student will focus on the
elements making up the standards for professional appraisal practice.
These elements, i.e., Definitions, Rules, Standards and Standard Rules,
Statements and advisory opinions are discussed in detail along with the
philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132
and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The
students will apply the theory through the development of a website for
the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-
making including: world economies, international trade theories, tariffs,
quotas and other trade issues, global strategic planning, cross-cultural
management, international market entry, international human resource
management, international organization strategy, international logistics,
import/export operations, currency exchange, international financial
management. Current developments in global economic and business
are emphasized; students participate in a computerized simulation
throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what
they have learned in class to a real business situation. Prerequisite(s):
College Level=Senior.
BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational and problem-solving, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student's experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.
BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization’s approach to marketing and strategic positioning.
BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student’s preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator’s decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student’s personal preferences with regard to location and types of property. However, the student’s preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students’ awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.
BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genomics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

HS Courses

HS 100. Overview of Careers in Health Care. 1 Hour.
This course introduces the students to the different employment possibilities for a Health Care Studies graduate. Seminars will feature invited speakers to discuss how their company works and what positions they might have for a graduate in Health Care Studies. In addition, students can visit different facilities to see first-hand how their studies in Health Care can be applied to different job settings through virtual tours.

HS 101. Introduction to Health Care Studies. 3 Hours.
This course will introduce the students to the health care industry, and will consist of lectures, readings, discussions, and visiting professionals. While the principal goal will be to inform students of the necessary skills needed to succeed in the health care field, a secondary goal will have the student be able to articulate the background to almost any article relating to the challenges of national health care.
HS 121. Medical Terminology. 3 Hours.
This course introduces students to the language used in describing and coding of clinical visits, medical procedures and on medical forms. The ability to understand complex medical terms will be gained by the analysis of prefixes, word roots and suffixes. Coding of diseases (ICD-9) and medical insurance language will also be emphasized.

HS 299. Topic./. 1-3 Hour.
This course is intended to provide the opportunity to offer courses in health care studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

HS 301. Introduction to Public Health. 3 Hours.
This course is an introductory overview of the U.S. Public Health System with an emphasis on the core areas of public health, challenges and strategies for working with communities, and specific health issues that impact the health of the population. We will look at environmental and behavior factors associated with health promotion and disease prevention and view different national programs and programs going on in Maine.

HS 311. Healthcare Management and Organization. 3 Hours.
This course will introduce junior year students to the complexity of healthcare organizations and how they are managed. An overview of the historical development of the modern healthcare organization, as well as the contemporary management roles and functions within them, will be reviewed. Measuring performance and quality improvement will also be taught. The importance of the roles of physicians, nurses, as well as other professionals and support staff will be highlighted. Theories of healthcare leadership will also be explored. Prerequisite(s): (HS 101) or (Major=MS Occupational Therapy and (College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior)).

HS 321. Healthcare Law and Ethics. 3 Hours.
This course is a summation and integration of Ethics and Law within the context of healthcare delivery. The class will be introduced to the ethical and moral considerations of the healthcare professions by exploring their historical development. Students will also discover how the law influences the healthcare profession and be introduced to our complex legal structure through exposure to case law and regulations. Prerequisite(s): HS 101 and HS 121 and PH 110.

HS 401. Medical Databases. 3 Hours.
This course is designed as a continuation of HS 121 (medical terminology) and MI 214. Students will learn about and contrast different types of electronic medical record systems. They will learn how to transfer and share data with people from same clinics to people outside of the system and learn about the ethical and legal issues of sharing data. Prerequisite(s): HS 121 and (MI 111 or MI 214).

HS 411. Health Economics and Policy. 3 Hours.
This course will introduce senior Health Care Studies students to beginning healthcare economics and its influence on health policy. The course will emphasize the economic issues of scarcity, choice, supply and demand, marginal analysis, substitutes, and externalities as they relate to health care policies. National health insurance, as a rapidly evolving idea for the future, will also be analyzed and evaluated. Prerequisite(s): HS 101 and HS 311.

HS 421. Health Care Studies Senior Experience. 3 Hours.
This course combines students past course work into one research project. Each student will be required to plan and carry out an investigation into some health area of interest and write-up and report their experiences and results to the whole class. In addition they will put together a portfolio, resume and cover letter for a job of their choice. Prerequisite(s): Major=BS Health Care Studies.

HS 491. Health Care Studies Internship. 3-6 Hours.
This course offers the students experiences in a work and/or research environment dedicated to health care or public health. Each student chooses and contacts a hospital, clinic, health center, public health department or health care business and spends a total of 100 hours in that setting. Activities will include training/orientation, work on projects relevant to the mission of the agency, observation of agency work processes, and other assigned work from the site liaison. Students keep daily journals and meet three times during the semester for training and to share their experiences. Prerequisite(s): Major=BS Health Care Studies and (College Level=Junior or College Level=Senior).

HS 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in health care studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

B.S. Business Administration - Interdisciplinary Program of Study (IPS)/M.B.A.

The Program
Students must complete an approved program of study that demonstrates a broad base in business administration, and also demonstrates a significant concentration of study in two or more distinct business concentrations.

It is expected that the approved program of study be filed with the Dean of Business as soon as possible but preferably prior to beginning course work as a third year student (> 60 credit hours). In the event that program approval is sought after beginning the third year’s work, an academic program totaling more than 153 credit hours may be required in order to satisfy all requirements.

Basic Guidelines
All approved IPS programs leading to the degree of Bachelor’s of Business Administration will incorporate the following features, including:

1. All required General Education requirements;
2. All general business courses;
3. Business electives as necessary to support the development of at least two (2) areas of concentration totaling 30 credit hours (including at least 15 hours completed at Husson with a 2.0 grade point average or better among these courses), resulting in a comprehensive program of study totaling not less than 124 credit hours;
4. 30 credit hours of graduate business courses.

In addition to the program objectives of the B.S. Business Administration degree, this concentration requires students to demonstrate the learning outcomes for the two relative concentrations chosen from the College
of Business. Thus, students should refer to the corresponding learning outcomes for those concentrations.

Students must also achieve the program objectives of the MBA degree.

The following curriculum should be followed by the Advisor and student to ensure that all degree requirements are met.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 211</td>
<td>Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>BA 212</td>
<td>Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>CM 100</td>
<td>Speech</td>
<td>3</td>
</tr>
<tr>
<td>CM 221</td>
<td>Professional Communications</td>
<td>3</td>
</tr>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
</tr>
<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
<td>3</td>
</tr>
<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
</tr>
<tr>
<td>HE 111</td>
<td>The Husson Experience ***</td>
<td>1</td>
</tr>
<tr>
<td>HY 211</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>MI 111</td>
<td>Introduction to Microcomputing</td>
<td>3</td>
</tr>
<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MS 232</td>
<td>Finite Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>PY 111</td>
<td>General Psychology</td>
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<tr>
<td>Science Elective</td>
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<tr>
<td>Global Elective</td>
<td>3</td>
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<tr>
<td>Foreign Culture &amp; Conversation Elective</td>
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<tr>
<td>Fine Arts Elective</td>
<td>3</td>
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<tr>
<td>Co-curricular activity and/or community service</td>
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**General Business Courses**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>AC 121</td>
<td>Principles of Accounting I</td>
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<tr>
<td>AC 211</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BA 101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BA 201</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>BA 202</td>
<td>Business Law II</td>
<td>3</td>
</tr>
<tr>
<td>BA 302</td>
<td>Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>BA 310</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 311</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 321</td>
<td>Marketing Principles</td>
<td>3</td>
</tr>
<tr>
<td>BA 362</td>
<td>Financial Management I</td>
<td>3</td>
</tr>
<tr>
<td>BA 401</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>BA 411</td>
<td>Organizational Behavior</td>
<td>3</td>
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<td>BA 414</td>
<td>Business Strategy</td>
<td>3</td>
</tr>
<tr>
<td>BA 490</td>
<td>International Business</td>
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**AREAS OF CONCENTRATION**

<table>
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<tr>
<th>Concentration</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>First Concentration (15 credits minimum)</td>
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</tr>
<tr>
<td>Second Concentration (15 credits minimum)</td>
<td>15</td>
</tr>
<tr>
<td>Graduate Business Courses (30 credits minimum)</td>
<td>30</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td><strong>155</strong></td>
</tr>
</tbody>
</table>

*** Credit may not be required for degree completion.

**Courses**

**BA 101. Introduction to Business. 3 Hours.**
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

**BA 111. Economic Geography. 3 Hours.**
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

**BA 201. Business Law I. 3 Hours.**
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

**BA 202. Business Law II. 3 Hours.**
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

**BA 204. Franchise Formation and Management. 3 Hours.**
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

**BA 205. Real Estate Law. 3 Hours.**
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

**BA 210. Economics Overview for Non-Business Majors. 3 Hours.**
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

**BA 211. Microeconomics. 3 Hours.**
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

**BA 212. Macroeconomics. 3 Hours.**
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.
BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or (Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.
BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level+Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising. Students will plan and design ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student’s choice summarizes the student’s knowledge of the field. Prerequisite(s): BA 321.
BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.
BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student’s experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.
BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student's leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.
BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization's approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student’s preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator's decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student’s personal preferences with regard to location and types of property. However, the student’s preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.
BA 745. Innovative Global Strategy. 3 Hours.
This course will build students’ awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the International, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.
Students must also achieve the program objectives of the MBA degree.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

B.S. Business Administration - International Business/M.B.A.
Students in the International Business concentration study the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economics, finance, marketing and exporting-importing are emphasized.

As part of a capstone experience, students participate in a computerized simulation which provides experiential learning incorporating all areas of international business and business administration studies. Further, experience with hands-on micro-lending prepares students beyond the traditional classroom education.

In addition to the program objectives of the B.S. Business Administration degree, this concentration requires students to utilize cross cultural literacy in the analysis of foreign political, economic, and legal systems.

Students must also achieve the program objectives of the MBA degree.

BA 111 Economic Geography Replaces Open Elective 3
BA 243 The Business of Innovation Replaces Open Elective 3
BA 271 Risk Management Replaces Open Elective 3
BA 434 International Finance Replaces Business-Related Elective 3
BA 437 International Marketing Replaces Business-Related Elective 3
BA 438 Export-Import Procedures Elective 3
BA 475 E-Business and E-Commerce for Managers Open Elective 3
or MC 322 Social Media Marketing
SY 222 Cultural Anthropology 3
Open Elective 3

Graduate Business Courses

BA 600 Research Methods in Business and Education 3
BA 605 Management Communications 3
BA 625 Global Strategic Management 3
BA 642 Leadership in Business and Professions 3
BA 643 Strategic Change Management 3
Choose one of the following: 3
BA 621 Marketing Management
BA 712 Strategic Marketing for Nonprofit Organizations
BA 720 Advanced Sales and Marketing in Hospitality

Graduate Business Electives 12
Total Hours 57

Courses

BA 101. Introduction to Business. 3 Hours.
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

BA 111. Economic Geography. 3 Hours.
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.
BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and imperfectly competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic(s). 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or (Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.
BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 356. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 354. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 352.

BA 357. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level-Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student’s choice summarizes the student’s knowledge of the field. Prerequisite(s): BA 321.
Prerequisite(s): College Level=Senior or College Level=Junior.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets.
Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students.
Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers.
Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance.
Prerequisite(s): BA 271.
BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student’s experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.
BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.
BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization’s approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student’s preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator’s decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student’s personal preferences with regard to location and types of property. However, the student’s preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology's effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.
BA 745. Innovative Global Strategy. 3 Hours.
This course will build students' awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization's supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.
BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

B.S. Business Administration - Management/MBA

Students in the Management concentration study organization systems and methods of management for staff, supervisors and administrators. These management theories apply to corporations, small businesses, and non-profit organizations. Students take courses that cover strategic decision making, policy, organizational theory and behavior, marketing, human resource management, sales and operations.

In addition to the program objectives of the B.S. Business Administration degree, this concentration requires students to integrate and apply administrative and organizational principles and theory to human resource management, decision making, operations management and other systems.

Students must also achieve the program objectives of the MBA degree.

Concentration in Management

AC 122 Principles of Accounting II Replaces Open Elective 3
BA 271 Risk Management Replaces Open Elective 3
BA 375 Supply Chain Management Replaces Business-Related Elective 3
BA 440 Small Business Management Replaces Open Elective 3
BA 422 Sales and Sales Management Replaces Business-Related Elective 3
BA 425 Marketing Management Replaces Open Elective 3
BA 442 Applied Small Business Management Replaces Open Elective 3
BA 464 Bank & Financial Services Management Replaces Business-Related Elective 3

Graduate Business Courses

BA 600 Research Methods in Business and Education 3
BA 605 Management Communications 3
BA 625 Global Strategic Management 3
BA 642 Leadership in Business and Professions 3
BA 643 Strategic Change Management 3

Choose one of the following:

BA 621 Marketing Management 3
BA 712 Strategic Marketing for Nonprofit Organizations 3
BA 720 Advanced Sales and Marketing in Hospitality 3
BA Graduate Business Elective 12
Total Hours 54

Courses

BA 101. Introduction to Business. 3 Hours.
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

BA 111. Economic Geography. 3 Hours.
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.
BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/ 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or ( Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.
BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.

BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandise planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student’s choice summarizes the student’s knowledge of the field. Prerequisite(s): BA 321.
BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.
BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student’s experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.
BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.
BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization's approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student's preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator's decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student's personal preferences with regard to location and types of property. However, the student's preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology's effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.
BA 745. Innovative Global Strategy. 3 Hours.
This course will build students' awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 769. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 771. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization's supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.
BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

B.S. Business Administration - Marketing/MBA

Students in the Marketing concentration study the components of marketing structure and the modern concepts of marketing. Marketing involves understanding the development of new products or enhancement of existing products, the price of products, communication and distribution of the products. Additionally, the legal environment, segmentation, the international market, consumer behavior, marketing structure and the modern concepts of marketing.

In addition to the program objectives of the B.S. Business Administration degree, this concentration requires students to:
- Demonstrate knowledge of basic principles of marketing
- Demonstrate knowledge of the importance of global markets
- Apply statistical, problem solving and critical thinking skills

Students must also achieve the program objectives of the MBA degree.

Concentration in Marketing

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BA 243</td>
<td>The Business of Innovation</td>
<td>3</td>
</tr>
<tr>
<td>BA 271</td>
<td>Risk Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 375</td>
<td>Supply Chain Management</td>
<td>3</td>
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<tr>
<td>BA 421</td>
<td>Integrated Marketing Communication and Advertiser</td>
<td>3</td>
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<tr>
<td>BA 422</td>
<td>Sales and Sales Management</td>
<td>3</td>
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<tr>
<td>BA 437</td>
<td>International Marketing</td>
<td>3</td>
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<tr>
<td>BA 475</td>
<td>E-Business and E-Commerce for Managers</td>
<td>3</td>
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<tr>
<td>or MC 322</td>
<td>Social Media Marketing</td>
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Graduate Business Courses

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BA 600</td>
<td>Research Methods in Business and Education</td>
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<tr>
<td>BA 605</td>
<td>Management Communications</td>
<td>3</td>
</tr>
<tr>
<td>BA 625</td>
<td>Global Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 642</td>
<td>Leadership in Business and Professions</td>
<td>3</td>
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<tr>
<td>BA 643</td>
<td>Strategic Change Management</td>
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Select one of the following:

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<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BA 621</td>
<td>Marketing Management</td>
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</tr>
<tr>
<td>BA 712</td>
<td>Strategic Marketing for Nonprofit Organizations</td>
<td></td>
</tr>
<tr>
<td>BA 720</td>
<td>Advanced Sales and Marketing in Hospitality</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Hours: 57

*** Credit may not be required for degree completion.

Courses

BA 101. Introduction to Business. 3 Hours.
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

BA 111. Economic Geography. 3 Hours.
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.
BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information to an organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal-Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or ( Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.
BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.

BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising. Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.
BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student’s choice summarizes the student’s knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This course will focus on international expansion of franchises, learning of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This course builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 321.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises; their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.
BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student’s experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.
BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.
BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization’s approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on and interview conducted by the management of the internship site and the student’s preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator’s decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student’s personal preferences with regard to location and types of property. However, the student’s preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.
BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and placing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students' awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. Grouthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship. 1-3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.
BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization's supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

A.S. Business Administration
The A.S. Business Administration is a two-year degree. The classes from this program transfers seamlessly into B.S. in Business Administration at Husson University if you so choose.

The program objectives of the A.S. Business Administration degree are:

- To describe the introductory concepts and practices related to accounting, business law, economics, management, and marketing
- To use current technology in support of professional work
- To produce and present effective oral and written forms of communication
- To apply ethical decision-making skills and integrity in an ever-changing, global environment
- To apply critical problem-solving, decision making, and professional skills

Requirements for Major
The program requires a minimum of 61 credit hours of college-level work that demonstrates a broad base of knowledge in Business Administration and general education courses.

General Education Courses
- BA 211 Microeconomics 3
- BA 212 Macroeconomics 3
- CM 100 Speech 3
- CM 221 Professional Communications 3
- EH 123 Rhetoric and Composition I 3
- EH 124 Rhetoric and Composition II 3
- HE 111 The Husson Experience 1
- MI 111 Introduction to Microcomputing 3
- MS 141 Contemporary College Algebra 4
- MS 132 Probability and Statistics 3
- MS 232 Finite Mathematics 3
- PY 111 General Psychology 3

Business Courses
- AC 121 Principles of Accounting I 3
- AC 211 Managerial Accounting 3
- BA 101 Introduction to Business 3
- BA 201 Business Law I 3
- BA 202 Business Law II 3
- BA 310 Organization and Management 3
- BA 311 Human Resource Management 3
- BA 321 Marketing Principles 3
- BA 351 Internship 3

Open Elective 3

Total Hours 62

Credit may not be required for degree completion.

Suggested Course Sequence
First Year

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<td>BA 202</td>
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Second Year

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impurely competitive firms.
consumer demand, and price and output determination of purely and
This is an introduction to American capitalism and microeconomic
This is an overview of microeconomic and macroeconomic concepts ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.
BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or (Major=BS Criminal Justice or Major=MS Paralegal or Major=AS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.

BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategy to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.
BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experimental in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student’s choice summarizes the student’s knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.
BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic
and contemporary business theory as it applies to the early stages
of entrepreneurship and intrapreneurship, opportunity recognition,
innovation, and new venture development. Course topics include types
of entrepreneurs, opportunity recognition, marketing, cash and other
resource requirements, financial statements, planning, franchising,
intellectual property, success/failure/resilience, and growth. Class
will use text, cases, articles, internet sources, and guest lecturers.
Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small
Business Management, using the case approach. Cases are drawn from
the text, from actual local small businesses, and from the practical
experience of students in the class. Prerequisite(s): College Level=Junior
or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this
class is on the early stages of formalizing and growing a venture. Topics
include business plan writing, fund raising and cash flow, measuring
and conveying financial position, core strategy development and
competitive advantage, sustainability, international entrepreneurship,
supply chain, growth, and exit. Prerequisite(s): College Level=Junior
or College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment
instruments, topics include stock and bond quotations and trading
procedures, rate of return, margin trading, stock indexes, stock and bond
valuation, risk and return, portfolio theory, active and passive portfolio
management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial
management of a banking firm and, to a smaller degree, of other financial
intermediaries. Emphasis will be on products, roles, regulatory framework,
and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to
become familiar with the scope and nature of organizations that work
with genetics within biotechnology industries. Through extensive case
studies, students focus on the dynamics of these enterprises, their
organizational structures, the regulatory considerations of these entities,
and how organizational cultures are created to enhance opportunities for
innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal
application and for those responsible for administering benefit plans for
employees; it provides the necessary information required to pass the
State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance
business, including a summary of legal aspects, types of insurers and
principles of reinsurance; next, each type of insurance is studied in
detail. Topics covered are fire, consequential loss, inland marine, ocean
marine, theft and surety, liability and miscellaneous property insurance.
Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles
of the appraisal process. The student will become familiar with the
three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers;
and reconciliation will be discussed. The student will focus on the
elements making up the standards for professional appraisal practice.
These elements, i.e., Definitions, Rules, Standards and Standard Rules,
Statements and advisory opinions are discussed in detail along with the
philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132
and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The
students will apply the theory through the development of a website for
the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-
making including: world economies, international trade theories, tariffs,
quotas and other trade issues, global strategic planning, cross-cultural
management, international market entry, international human resource
management, international organization strategy, international logistics,
import/export operations, currency exchange, international financial
management. Current developments in global economic and business
are emphasized; students participate in a computerized simulation
throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what
they have learned in class to a real business situation. Prerequisite(s):
College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor
Region Leadership Institute (BRLI) program or the Leadership Maine
program. Both programs are designed to lead students in an exploration
of leadership and their leadership capabilities. Throughout the programs,
students are introduced to key social and economic issues impacting
the local region and the state of Maine. The programs culminate in an
experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students
to economies across the world. During the course students will travel
to important commercial, cultural and governmental cities. Through
a combination of readings students will be exposed to 20th and 21st
century history, economics, culture political and business philosophy.
The course will also involve visits to major multinational corporations,
cultural activities and lectures from University business faculty when
available. The course will also have two pre-trip class sessions with
readings and one post course session to wrap up the experience and
discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems
under the supervision of members of the Department of Business
Administration. A paper is required. An oral examination is scheduled as
the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a
special topic of timely interest in the business area. This course may
consist of seminars, lectures, individualized instruction and/or research
related to a specific area of specialization.
BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student's experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.
BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization’s approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.
BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student's preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator's decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student's personal preferences with regard to location and types of property. However, the student's preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in a intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students’ awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.
BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization's supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

A.S. Business Studies
The A.S. Business Studies degree is a general business program which takes up to 2 years to complete. The program requires a minimum of 60 credit hours of college-level work that demonstrates a broad base understanding of business studies and is complemented with some general education course work.

Requirements for Major
All Business Studies majors must earn an overall 2.0 cumulative grade-point average as well as a 2.0 in their College of Business courses. Transfer students must complete a minimum of 30 credits hours at Husson University, with a minimum of 15 credit hours of coursework in the College of Business at Husson.

Program Requirements

**Business Studies Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AC 121</td>
<td>Principles of Accounting I</td>
<td>3</td>
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<tr>
<td>BA 101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BA 201</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>BA 211</td>
<td>Microeconomics</td>
<td>3</td>
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<tr>
<td>BA 302</td>
<td>Business Ethics</td>
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<tr>
<td>BA 310</td>
<td>Organization and Management</td>
<td>3</td>
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<tr>
<td>BA 351</td>
<td>Internship</td>
<td>3</td>
</tr>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
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<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
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<tr>
<td>HE 111</td>
<td>The Husson Experience ***</td>
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<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
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<tr>
<td>Business Elective</td>
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<tr>
<td>Communication Elective</td>
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<td>MI Elective</td>
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<td>HY Elective</td>
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<td>Science Elective</td>
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<tr>
<td>Social Science Elective</td>
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Business Administration Certificate

This program offers students an opportunity to take both introductory and upper level business courses regarding business practices, policies and laws. The ability to lead and supervise people, communicate effectively, and understand how businesses are organized are valuable skills regardless of what industry you work in. Also, moving up the ladder in a company or organization typically means moving into a management position. A Business Administration Management Certificate will help prepare you for the future.

These certificate courses can be applied to an A.S. or B.S. degree in Business Administration at Husson University, enhance a degree in another discipline or augment prior learning to provide for a change in career.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BA 101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BA 243</td>
<td>The Business of Innovation</td>
<td>3</td>
</tr>
<tr>
<td>BA 321</td>
<td>Marketing Principles</td>
<td>3</td>
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Choose two of the following:

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AC 211</td>
<td>Managerial Accounting</td>
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**Suggested Course Sequence**

### First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
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<tbody>
<tr>
<td>AC 121</td>
<td>3</td>
<td>EH 124</td>
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<tr>
<td>HE 111</td>
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<td>BA Elective</td>
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<tr>
<td>MS 141</td>
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<td>MI Elective</td>
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<td>Open Elective</td>
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<td>SC Elective</td>
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<tr>
<td>BA 101</td>
<td>3</td>
<td>Social Science Elective</td>
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<td>EH 123</td>
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### Second Year

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<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
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<tbody>
<tr>
<td>BA 201</td>
<td>3</td>
<td>BA 302</td>
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<td>BA 211</td>
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<td>BA 351</td>
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<td>BA 310</td>
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<td>BA Elective</td>
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<tr>
<td>CM Elective</td>
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<td>BA Elective</td>
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<td>HY Elective</td>
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<td>Open Elective</td>
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Total Hours: 62

**Courses**

**BA 101. Introduction to Business. 3 Hours.**
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

**BA 111. Economic Geography. 3 Hours.**
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

**BA 201. Business Law I. 3 Hours.**
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

**BA 202. Business Law II. 3 Hours.**
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

**BA 204. Franchise Formation and Management. 3 Hours.**
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

**BA 205. Real Estate Law. 3 Hours.**
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

**BA 210. Economics Overview for Non-Business Majors. 3 Hours.**
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

**BA 211. Microeconomics. 3 Hours.**
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and imperfectly competitive firms.
BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or ( Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.
BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.

BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategy to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 395. Business and Consumer Finance. 3 Hours.
The course is a continuation of Financial Management II and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanhip and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student’s choice summarizes the student’s knowledge of the field. Prerequisite(s): BA 321.
BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.
BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student’s experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.
BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.
BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization’s approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with a detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student’s preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator’s decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student’s personal preferences with regard to location and types of property. However, the student’s preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.
BA 745. Innovative Global Strategy. 3 Hours.
This course will build students' awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that reframe consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.
BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

Entrepreneurship Certificate

Innovative and/or growing companies have a goal of adding 30 percent of their sales from products, services or markets that did not exist 5 years before. Combining theory with a strong dose of applied learning, these courses will add the skills needed to start a company, or else re-start a business unit or product line in an existing company.

These certificate courses can be applied to an A.S. or B.S. degree in Business Administration at Husson University, enhance a degree in another discipline, or augment prior learning to provide for a change in career.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BA 440</td>
<td>Small Business Management I</td>
<td>3</td>
</tr>
<tr>
<td>BA 442</td>
<td>Applied Small Business Management</td>
<td>3</td>
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<tr>
<td>Choose one of the following:</td>
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<tr>
<td>AC 211</td>
<td>Managerial Accounting</td>
<td></td>
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<tr>
<td>BA 422</td>
<td>Sales and Sales Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 9

Small Business Certificate

Many theories of business were developed for large companies, but 90 percent of US companies employ 20 people or fewer. Chances are very good that the student will work for, supply, advise, or own a smaller company. The student may be joining a family run company, starting a new firm or buying an existing one. The courses in this certificate will step those big business theories down to the realities of a smaller company.

These certificate courses can be applied to an A.S. or B.S. degree in Business Administration at Husson University, enhance a degree in another discipline, or augment prior learning to provide for a change in career.

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</tbody>
</table>

Total Hours 9

B.S. Business and Liberal Studies - Multidisciplinary Program of Study

The B.S. Business and Liberal Studies degree is a unique opportunity for Husson University students to stand out in a crowd by sharpening their competitive edge and demonstrating their ability to think analytically, critically, and creatively.

The impetus behind this degree was to help students, particularly those already in the work-force, increase the value and make meaning out of a liberal arts education by combining required courses in the general education curriculum with a focus on business courses and science and humanities electives.

Requirements for the Major

All Business and Liberal Studies majors must earn an overall 2.0 cumulative grade-point average as well as a 2.0 in their School of Business courses. Transfer students must complete a minimum of 30
credits hours at Husson University with a minimum of 15 credit hours in School of Business courses at Husson.

B.S. Business and Liberal Studies -
Multidisciplinary Program of Study

The fundamental program requirement is that each student must complete an approved program of study having no fewer than 120-credit hours of college-level work that demonstrates a broad base in business and in liberal studies courses along with a full complement of general education courses.

Students in the B.S. Business and Liberal Studies degree will be able to meet the following program objectives:

• To explain the major concepts in the functional areas of accounting, finance and management.
• To evaluate the legal, social and economic environments of business.
• To describe the global environment of business.
• To apply ethical decision making skills and integrity in an ever-changing, global environment.
• To apply critical problem solving and professional skills in an experiential learning environment.
• To demonstrate oral and written communication skills, appropriate to the profession.
• To critique ideas, to be self-reflective, to respond creatively to the ideas and experiences of others and to analyze, synthesize and evaluate ideas and information.
• To reflect on the question of relationships: between yourself and others; between personal values and actions; between your understanding of self and what you see as "your work in the world."
• To understand the dynamic social forces affecting your community, the nation and the world through study in such areas as history, economics, politics, social studies, and cultural studies.
• To understand the dynamic relationship between theory and practice.

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BA 302</td>
<td>Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>BA 351</td>
<td>Internship</td>
<td>3</td>
</tr>
<tr>
<td>BA 414</td>
<td>Business Strategy</td>
<td>3</td>
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<tr>
<td>CM 100</td>
<td>Speech</td>
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<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
</tr>
<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
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<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
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<tr>
<td>HE 111</td>
<td>The Husson Experience ***</td>
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<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
<td>3</td>
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<tr>
<td>Select one of the Following</td>
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<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
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<tr>
<td>MS 180</td>
<td>Precalculus with Trigonometry</td>
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<tr>
<td>MS 181</td>
<td>Calculus with Applications</td>
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<tr>
<td>MS 182</td>
<td>Calculus II</td>
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<tr>
<td>PY 111</td>
<td>General Psychology</td>
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<tr>
<td>Communications Elective</td>
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<tr>
<td>EH Literature Elective</td>
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<tr>
<td>Fine Arts Elective</td>
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<tr>
<td>Foreign Culture and Conversation Elective</td>
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Global Elective 3
Lab Science Elective 3
MI Elective 3
Open Elective 3

Business Studies Courses

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>AC 121</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>AC 211</td>
<td>Managerial Accounting</td>
<td>3</td>
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<tr>
<td>BA 101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BA 310</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 210</td>
<td>Economics Overview for Non-Business Majors</td>
<td>3</td>
</tr>
<tr>
<td>or BA 211</td>
<td>Microeconomics</td>
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<tr>
<td>BA 312</td>
<td>Non-Profit Management and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>BA 352</td>
<td>Internship II</td>
<td>3</td>
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<tr>
<td>BA 421</td>
<td>Integrated Marketing Communication and Advertising</td>
<td>3</td>
</tr>
<tr>
<td>BA 465</td>
<td>Biotechnology: The Business of Genetics</td>
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Business Elective 6

Liberal Studies Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tr>
<td>MS 115</td>
<td>Quantitative Literacy</td>
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<tr>
<td>EH Literature Elective (200+)</td>
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<tr>
<td>Fine Arts Elective</td>
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<tr>
<td>History Elective (300+)</td>
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<tr>
<td>History Elective</td>
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<tr>
<td>Humanities Elective (FA, HU, HY LC, PH or SY)</td>
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<td>PH Elective</td>
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<tr>
<td>MS Elective</td>
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<tr>
<td>SC Elective</td>
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<tr>
<td>SC Elective</td>
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<tr>
<td>US History Elective</td>
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Total Hours 122

*** May not be required for degree completion.

Business and Professional Studies

The undergraduate Business and Professional Studies major, leading to a B.S. degree, is designed for students who have completed an A.S. or A.A.S. degree at a Community College and concentrated on an area other than business. Various technology related degrees, such as automotive, building or welding can be evaluated for transfer credits into this program of study to allow for students to expand their knowledge for opening a business or working in their field of choice that has interaction with the business world.

In implementing this 2+2 program, the University has developed a specific articulation agreement with each institution. Where such an agreement does not exist, each student transcript will be evaluated individually to compensate for variations in academic programs. The curriculum objective is to ensure that every student has a minimum of 42 credits in general studies, a good foundation in business, and some depth of study in two or more business disciplines.

Requirements for Major

All Business and Professional Studies majors must earn an overall 2.0 cumulative grade-point average as well as a 2.0 in their Ba prefix courses.
Transfer students must complete a minimum of 15 credit hours in Business and Professional courses at Husson.

**Program Prerequisites - 3 credits each**

- Algebra (or higher level)
- Composition
- History Elective
- Intro to Microcomputing
- Professional Communications
- Psychology Elective
- Science Elective
- Speech or Composition II

**Tech/Professional Elective**

B.S. in Business and Professional Studies (Husson Courses)

**General Education Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BA 211</td>
<td>Microeconomics</td>
<td>3</td>
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<tr>
<td>BA 212</td>
<td>Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
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Select one of the following: 3 credits

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
<td></td>
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<tr>
<td>MS 232</td>
<td>Finite Mathematics</td>
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</tbody>
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Foreign Culture and Conversation 3

Co-curricular activity and/or community service 3

**Business Courses**

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>AC 121</td>
<td>Principles of Accounting I</td>
<td>3</td>
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<tr>
<td>AC 211</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BA 201</td>
<td>Business Law I</td>
<td>3</td>
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<tr>
<td>BA 202</td>
<td>Business Law II</td>
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<tbody>
<tr>
<td>BA 302</td>
<td>Business Ethics</td>
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<tr>
<td>BA 310</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 311</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 321</td>
<td>Marketing Principles</td>
<td>3</td>
</tr>
<tr>
<td>BA 362</td>
<td>Financial Management I</td>
<td>3</td>
</tr>
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</table>

BA 401 Managerial Economics 3
BA 411 Organizational Behavior 3
BA 414 Business Strategy 3

Select one of the following: 3

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BA 490</td>
<td>International Business</td>
<td></td>
</tr>
</tbody>
</table>

Global Elective
BA 351 Internship 3

Total Hours 57

A student who has completed one or more of the Husson requirements during an associate program will select substitutes from any of the following: risk management, operations management, or any upper (300 or 400) level business related elective.

Candidates for a Bachelor of Science degree are required to complete a minimum of 120 semester hours maintaining a 2.0 overall cumulative grade point average and a 2.0 overall in their major courses. Transfer students must complete a minimum of thirty (30) credit hours at Husson University. At least fifteen (15) credits must be earned in Husson Business courses.

**Courses**

**BA 101. Introduction to Business. 3 Hours.**

This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

**BA 111. Economic Geography. 3 Hours.**

This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

**BA 201. Business Law I. 3 Hours.**

This course provides students with a basic knowledge of the law of contracts, personal property and real property.

**BA 202. Business Law II. 3 Hours.**

This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

**BA 204. Franchise Formation and Management. 3 Hours.**

This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.
BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or ( Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.
BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.

BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategics to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising. Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.
BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student's choice summarizes the student's knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.
BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student's experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.
BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.
BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization’s approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student’s preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator’s decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student’s personal preferences with regard to location and type of property. However, the student’s preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.
BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and placing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment, and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students’ awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content, and discussions. The course requires students to analyze and understand real-world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. Grouthink. 3 Hours.
This course explores the origin of grouthink. Grouthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores grouthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.
BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

Information Technology

Information Technology (IT) specialists design and operate the computer systems that are vital to businesses and organizations today. The Husson IT curriculum includes a strong core of general business courses, general education requirements, as well as special training in computer programming, software development, systems development and implementation, networking, and project management.

Students will learn programming in Visual Basic, HTML, and Java. Courses involving networking and network management as well as website design will give students valuable high-level skills and prepare them to go directly from college into a position of true responsibility. At Husson University you will learn to use the computer to manage many different forms of information that are vital to organizations today.

Requirements for IT Majors

All IT majors must earn an overall 2.0 cumulative grade-point average as well as a 2.0 overall in their Mi prefix courses. Transfer students must complete a minimum of 30 credit hours, and at least 15 credits must be earned in Mi prefix courses at Husson University.

Courses

MI 111. Introduction to Microcomputing. 3 Hours.
The elements of hardware, software and the uses of the microcomputer in today’s society. Hands-on experience includes word processing, spreadsheet, database management, and presentation software.

MI 131. Intro to Information Systems. 3 Hours.
Course surveys the historical, social and technological contexts of modern computing and computer science. Students are exposed to material through lectures and a number of online lab activities.

MI 210. Basic Database Design and Implementation. 3 Hours.
The course provides a strong hands-on overview of relational databases. Using small office database technologies (such as Microsoft Access) students will explore proper database design and construction. SQL is introduced as the primary tool for extracting data out of a database. The course is intended for non-IT majors. IT majors are directed to MI 411.

MI 214. Microcomputer Spreadsheet Applications. 3 Hours.
This course covers microcomputer spreadsheet software. Topics include: functions, decision making, macros, custom menus, importing and exporting.

MI 226. Web Applications. 3 Hours.
Students construct web pages using Hypertext Markup Language (HTML) and JavaScript. Emphasis is on object-oriented thinking and hands on work. Internet technologies including TCP/IP protocols, client/server programming, and security are also discussed. Prerequisite(s): MI 111.

MI 241. Managing and Maintaining a PC I. 3 Hours.
Course develops a base for supporting end-user workstation system. Emphasis is on hands on installation, configuration, and problem solving computer hardware and software in a laboratory setting. Prepares the student for the Comp TIA’s A+ exams.

MI 242. Managing and Maintaining a PC II. 3 Hours.
A continuation of Managing and Maintaining a PC I. Prepares the student for the Comp TIA’s A+ exams. Prerequisite(s): MI 241.

MI 245. Desktop Publishing. 3 Hours.
Students use current software packages to produce a wide range of high-quality interoffice publications such as forms, proposals and directories, and outside--of-organization communications such as flyers, catalogs, annual reports, brochures, newsletters, etc. Students will become familiar with typographic techniques used to create professional-looking documents. The use of basic design and layout features such as white space, graphic elements, and color will be introduced. Accuracy and creativity are essential as the students design and publish functional promotional materials. A professional portfolio containing sample projects is an integral part of the evaluation process.

MI 261. Introduction to Computer Programming I. 3 Hours.
This is a three credit hour course and the first of a two course sequence serving as an introduction to computer programming. The course covers the basic terminology and structure of writing computer software. In addition, the course establishes a solid foundation in the use of the basic building blocks associated with writing software including data types, variables, conditional and looping constructs, error handling, and debugging. Throughout the course, students will be introduced to and expected to follow industry standards and best practices of the software development discipline.
MI 262. Introduction to Computer Programming II. 3 Hours.  
This is a three credit hour course and the second of a two course sequence serving as an introduction to computer programming. The course covers the basic terminology and structure of writing computer software. In addition, the course builds upon the solid foundation in the use of the basic building blocks associated with writing software including arrays, collections, classes, file I/O, and database connections. Throughout the course, students will be introduced to and expected to follow industry standards and best practices of the software development discipline. Prerequisite(s): MI 261.

MI 299. Topic/. 3 Hours.  
This course is of variable content with selected topics presented to provide prerequisites for specifically identified additional coursework in CIS. The course emphasizes independent investigation and the fundamental principles of computing and information technology.

MI 321. Systems Analysis & Design. 3 Hours.  
Methodology for the investigation analysis and general design, detailed design, and implementation of computer information systems is covered. Comprehensive case studies are used to illustrate the phases of CIS project development. Topics presented for system development include data flow diagrams, normalization, RAD, extreme programming (XP), software development life cycle (SDLC), and program specifications. Prerequisite(s): MI 261.

MI 322. Decision Support and Expert Systems. 3 Hours.  
These systems are designed to synthesize what is known about the business application and to make that knowledge available to and effective in the hands of working decision-makers. Topics covered include artificial intelligence, natural language systems, expressing rules, and dealing with uncertainty. Expert system development software is used. Prerequisite(s): MI 111.

MI 325. Algorithms and Data Structures I. 3 Hours.  
This is a three credit hour course and the first of a two course sequence serving as an introduction to the algorithms and data structures utilized in computer programming. The course covers the basic data structures used in software development including lists, sorted lists, stacks, queues, sets, and graphs and their implementations. For algorithms, the students will be introduced to a number of algorithm designs including greedy and divide-and-conquer, and specific algorithms including resizing arrays, shortest path, and spanning trees. Prerequisite(s): MI 261.

MI 326. Algorithms and Data Structures II. 3 Hours.  
This is a three credit hour course and the second of a two course sequence serving as an introduction to the algorithms and data structures utilized in computer programming. The course covers the basic data structures used in software development including lists, sorted lists, stacks, queues, sets, and graphs and their implementations. For algorithms, the students will be introduced to a number of algorithm designs including greedy and divide-and-conquer, and specific algorithms including resizing arrays, shortest path, and spanning trees. Prerequisite(s): MI 325.

MI 331. Networking. 3 Hours.  
This course covers the different types of networking topologies: client-server, peer-to-peer, and network administration. Practical aspects include setting up a network, hardware maintenance, and hands-on experience.

MI 332. Advanced Networking. 3 Hours.  
This course builds upon basic network knowledge. Topics covered include network topology, infrastructure, hardware, segmentation, and troubleshooting as networks increase in scale and complexity. Security issues will be examined to protect data assets from internal and external threats. Prerequisite(s): MI 331.

MI 333. Computer Forensics. 3 Hours.  
This course will focus on the investigative use of computer technologies and electronic records. Students will be exposed to “digital evidence” and the valuable information it can provide to investigators. The course will have a two-tier approach. (1) Students will be shown how to extract readable decipherable information from someone’s computer such as looking for at their files or their browser history of web sites visited. Even if the information is password protected or has been deleted it might still be recoverable. (2) The course will examine criminals who use computers and the Internet to commit various crimes ranging from trying to lure children into chat rooms or face-to-face meetings to every sort of financial fraud. This course is intended to address a growing need in law enforcement. Prerequisite(s): Major=BS Comp Info Systems or Major=BS Criminal Justice.

MI 341. Managing and Maintaining a Windows Server I. 3 Hours.  
Course builds on fundamentals developed in MI 241-242 to detail the challenges and technology of distributed system management. Example topics include Configuration Management, Backup/Disaster Recovery, User Management, Data Management, Application Management, Logistics and Licensing. Prerequisite(s): MI 242.

MI 342. Managing and Maintaining a Windows Server II. 3 Hours.  
Course is a continuation of MI 341 Managing and Maintaining a Windows Server I. This course focuses on network configuration and security of the server. Prerequisite(s): MI 341.

MI 351. Information System Internship. 3 Hours.  
Cooperative Education is a College-supervised work experience course with participating employers in business and nonprofit organizations that provide a practical application of classroom theory. Prerequisite(s): College Level=Junior or College Level=Senior.

MI 352. Information System Internship. 3 Hours.  
Cooperative Education is a College-supervised work experience course with participating employers in business and nonprofit organizations that provide a practical application of classroom theory. Prerequisite(s): College Level=Junior or College Level=Senior.

MI 353. Information System Internship. 3 Hours.  
Cooperative Education is a College-supervised work experience course with participating employers in business and nonprofit organizations that provide a practical application of classroom theory. Prerequisite(s): College Level=Junior or College Level=Senior.

MI 354. Information System Internship. 3 Hours.  
Cooperative Education is a College-supervised work experience course with participating employers in business and nonprofit organizations that provide a practical application of classroom theory. Prerequisite(s): College Level=Junior or College Level=Senior.

MI 361. Java I. 3 Hours.  
This course focuses on problem solving using an object-oriented programming language. Emphasis is on programming using modern practices. Prerequisite(s): MI 262.

MI 362. Java II. 3 Hours.  
This course builds on language used in MI 361. Explores advanced use of the language including packages for data access and web server scripting. Prerequisite(s): MI 361.
MI 411. Database Design. 3 Hours.
The design of a database as part of the CIS development process is covered in detail. The theory and practical application of both relational and network databases is included. Normalization and SQL are also covered in detail.

MI 421. Project Management Techniques. 3 Hours.
Projects are undertakings, which must be completed within cost, schedule and quality constraints. This course provides the student with practical methodology for planning and managing large or small projects effectively. Software such as Microsoft Project for Windows® is used.

MI 422. Information System Project Development. 3 Hours.
A comprehensive project in CIS is undertaken. The team approach is used to plan, manage and implement a realistic CIS project of moderate complexity. Prerequisite(s): MI 421.

MI 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the area of management information systems. The course may consist of seminars, individualized instruction and/or research related to a specific area of specialization.

B.S. Software Development

The B.S. in Software Development is designed to provide students with the skills needed to develop, create, and modify enterprise software or specialized utility programs. The Software Development program prepares students to identify issues and problems, collect and analyze data, and summarize and present findings.

The degree program focuses on the experiential learning model to prepare students to develop a wide array of software including enterprise applications (apps), mobile apps, web apps, games, and software to integrate systems. In smaller organizations, software professionals may be responsible for the design, development, testing, and training for a software project. In larger organizations, software professionals may focus on only one or two of these areas. Continuous professional improvement is critical in this field given the rapid changes in the industry regarding software languages, tools, and techniques.

In pursuing the B.S. Software Development students will be able to:

- Apply ethical decision-making skills and integrity in an ever-changing, global environment
- Demonstrate oral and written communication skills, appropriate to the profession
- Apply critical problem-solving and professional skills in an experiential, learning environment
- Demonstrate knowledge of computer hardware and software infrastructure.
- Apply best practices and guidelines of developing computer software.
- Demonstrate knowledge of project management practices and principles.
- Evaluate the implications/impact of computer technology solutions on business policies and practices.

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CM 100</td>
<td>Speech</td>
<td>3</td>
</tr>
<tr>
<td>CM 221</td>
<td>Professional Communications</td>
<td>3</td>
</tr>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
</tr>
<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
<td>3</td>
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<td>EH 200</td>
<td>Approaches to Literature</td>
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Suggested Course Sequence

First Year

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<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AC 121</td>
<td>3</td>
<td>EH 124</td>
<td>3</td>
</tr>
<tr>
<td>CM 100</td>
<td>3</td>
<td>MI 262</td>
<td>3</td>
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<tr>
<td>EH 123</td>
<td>3</td>
<td>MS 132</td>
<td>3</td>
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<td>HE 111***</td>
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<td>BA 101</td>
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<td>MI 261</td>
<td>3</td>
<td>PY 111</td>
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<tr>
<td>MS 141 or 180</td>
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Total Hours: 17

Second Year

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<th>Fall</th>
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<th>Spring</th>
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<tbody>
<tr>
<td>BA 211</td>
<td>3</td>
<td>BA 302</td>
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Co-curricular activity and/or community service

Computer Information and Business Courses

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<thead>
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<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>AC 121</td>
<td>Principles of Accounting I</td>
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<tr>
<td>BA 101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BA 211</td>
<td>Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>BA 243</td>
<td>The Business of Innovation</td>
<td>3</td>
</tr>
<tr>
<td>BA 302</td>
<td>Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>BA 310</td>
<td>Organization and Management</td>
<td>3</td>
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<td>MI 261</td>
<td>Introduction to Computer Programming I</td>
<td>3</td>
</tr>
<tr>
<td>MI 262</td>
<td>Introduction to Computer Programming II</td>
<td>3</td>
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<td>MI 321</td>
<td>Systems Analysis &amp; Design</td>
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<tr>
<td>MI 325</td>
<td>Algorithms and Data Structures I</td>
<td>3</td>
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<tr>
<td>MI 326</td>
<td>Algorithms and Data Structures II</td>
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<tr>
<td>MI 351</td>
<td>Information System Internship</td>
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<tr>
<td>MI 411</td>
<td>Database Design</td>
<td>3</td>
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<tr>
<td>MI 421</td>
<td>Project Management Techniques</td>
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<td>MI 422</td>
<td>Information System Project Development</td>
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<td>MI Elective (300+)</td>
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Total Hours: 122

Foreign Culture & Conversation Elective

Global Elective

SC Science Elective

Fine Arts Elective

Open Elective (200+)

6

***
functions, decision making, macros, custom menus, importing and exporting. This course covers microcomputer spreadsheet software. Topics include:

**MI 214. Microcomputer Spreadsheet Applications. 3 Hours.**

Students construct web pages using Hypertext Markup Language (HTML) and JavaScript. Emphasis is on object-oriented thinking and hands on work. Internet technologies including TCP/IP protocols, client/server programming, and security are also discussed. Prerequisite(s): MI 111.

**MI 241. Managing and Maintaining a PC I. 3 Hours.**

Course develops a base for supporting end-user workstation system. Emphasis is on hands on installation, configuration, and problem solving computer hardware and software in a laboratory setting. Prepares the student for the Comp TIA’s A+ exams.

**MI 242. Managing and Maintaining a PC II. 3 Hours.**

A continuation of Managing and Maintaining a PC I. Prepares the student for the Comp TIA’s A+ exams. Prerequisite(s): MI 241.

**MI 245. Desktop Publishing. 3 Hours.**

Students use current software packages to produce a wide range of high-quality interoffice publications such as forms, proposals and directories, and outside-of-organization communications such as flyers, catalogs, annual reports, brochures, newsletters, etc. Students will become familiar with typographic techniques used to create professional-looking documents. The use of basic design and layout features such as white space, graphic elements, and color will be introduced. Accuracy and creativity are essential as the students design and publish functional promotional materials. A professional portfolio containing sample projects is an integral part of the evaluation process.

**MI 261. Introduction to Computer Programming I. 3 Hours.**

This is a three credit hour course and the first of a two course sequence serving as an introduction to computer programming. The course covers the basic terminology and structure of writing computer software. In addition, the course establishes a solid foundation in the use of the basic building blocks associated with writing software including data types, variables, conditional and looping constructs, error handling, and debugging. Throughout the course, students will be introduced to and expected to follow industry standards and best practices of the software development discipline.

**MI 262. Introduction to Computer Programming II. 3 Hours.**

This is a three credit hour course and the second of a two course sequence serving as an introduction to computer programming. The course covers the basic terminology and structure of writing computer software. In addition, the course builds upon the solid foundation in the use of the basic building blocks associated with writing software including arrays, collections, classes, file I/O, and database connections. Throughout the course, students will be introduced to and expected to follow industry standards and best practices of the software development discipline. Prerequisite(s): MI 261.

**MI 299. Topic/. 3 Hours.**

This course is of variable content with selected topics presented to provide prerequisites for specifically identified additional coursework in CIS. The course emphasizes independent investigation and the fundamental principles of computing and information technology. Prerequisite(s): MI 261.
MI 322. Decision Support and Expert Systems. 3 Hours.
These systems are designed to synthesize what is known about the business application and to make that knowledge available to and effective in the hands of working decision-makers. Topics covered include artificial intelligence, natural language systems, expressing rules, and dealing with uncertainty. Expert system development software is used. Prerequisite(s): MI 111.

MI 325. Algorithms and Data Structures I. 3 Hours.
This is a three credit hour course and the first of a two course sequence serving as an introduction to the algorithms and data structures utilized in computer programming. The course covers the basic data structures used in software development including lists, sorted lists, stacks, queues, sets, and graphs and their implementations. For algorithms, the students will be introduced to a number of algorithm designs including greedy and divide-and-conquer, and specific algorithms including resizing arrays, shortest path, and spanning trees. Prerequisite(s): MI 261.

MI 326. Algorithms and Data Structures II. 3 Hours.
This is a three credit hour course and the second of a two course sequence serving as an introduction to the algorithms and data structures utilized in computer programming. The course covers the basic data structures used in software development including lists, sorted lists, stacks, queues, sets, and graphs and their implementations. For algorithms, the students will be introduced to a number of algorithm designs including greedy and divide-and-conquer, and specific algorithms including resizing arrays, shortest path, and spanning trees. Prerequisite(s): MI 325.

MI 331. Networking. 3 Hours.
This course covers the different types of networking topologies: client-server, peer-to-peer, and network administration. Practical aspects include setting up a network, hardware maintenance, and hands-on experience.

MI 332. Advanced Networking. 3 Hours.
This course builds upon basic network knowledge. Topics covered include network topology, infrastructure, hardware, segmentation, and troubleshooting as networks increase in scale and complexity. Security issues will be examined to protect data assets from internal and external threats. Prerequisite(s): MI 331.

MI 333. Computer Forensics. 3 Hours.
This course will focus on the investigative use of computer technologies and electronic records. Students will be exposed to "digital evidence" and the valuable information it can provide to investigators. The course will have a two-tier approach. (1) Students will be shown how to extract readily decipherable information from someone's computer such as looking for at their files or their browser history of web sites visited. Even if the information is password protected or has been deleted it might still be recoverable. (2) The course will examine criminals who use computers and the Internet to commit various crimes ranging from trying to lure children into chat rooms or face-to-face meetings to every sort of financial fraud. This course is intended to address a growing need in law enforcement. Prerequisite(s): Major=BS Comp Info Systems or Major=BS Criminal Justice.

MI 341. Managing and Maintaining a Windows Server I. 3 Hours.
Course builds on fundamentals developed in MI 241-242 to detail the challenges and technology of distributed system management. Example topics include Configuration Management, Backup/Disaster Recovery, User Management, Data Management, Application Management, Logistics and Licensing. Prerequisite(s): MI 242.

MI 342. Managing and Maintaining a Windows Server II. 3 Hours.
Course is a continuation of MI 341 Managing and Maintaining a Windows Server I. This course focuses on network configuration and security of the server. Prerequisite(s): MI 341.

MI 351. Information System Internship. 3 Hours.
Cooperative Education is a College-supervised work experience course with participating employers in business and nonprofit organizations that provide a practical application of classroom theory. Prerequisite(s): College Level=Junior or College Level=Senior.

MI 352. Information System Internship. 3 Hours.
Cooperative Education is a College-supervised work experience course with participating employers in business and nonprofit organizations that provide a practical application of classroom theory. Prerequisite(s): College Level=Junior or College Level=Senior.

MI 353. Information System Internship. 3 Hours.
Cooperative Education is a College-supervised work experience course with participating employers in business and nonprofit organizations that provide a practical application of classroom theory. Prerequisite(s): College Level=Junior or College Level=Senior.

MI 354. Information System Internship. 3 Hours.
Cooperative Education is a College-supervised work experience course with participating employers in business and nonprofit organizations that provide a practical application of classroom theory. Prerequisite(s): College Level=Junior or College Level=Senior.

MI 361. Java I. 3 Hours.
This course focuses on problem solving using an object-oriented programming language. Emphasis is on programming using modern practices. Prerequisite(s): MI 262.

MI 362. Java II. 3 Hours.
This course builds on language used in MI 361. Explores advanced use of the language including packages for data access and web server scripting. Prerequisite(s): MI 361.

MI 411. Database Design. 3 Hours.
The design of a database as part of the CIS development process is covered in detail. The theory and practical application of both relational and network databases is included. Normalization and SQL are also covered in detail.

MI 421. Project Management Techniques. 3 Hours.
Projects are undertakings, which must be completed within cost, schedule and quality constraints. This course provides the student with practical methodology for planning and managing large or small projects effectively. Software such as Microsoft Project for Windows® is used.

MI 422. Information System Project Development. 3 Hours.
A comprehensive project in CIS is undertaken. The team approach is used to plan, manage and implement a realistic CIS project of moderate complexity. Prerequisite(s): MI 421.

MI 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the area of management information systems. The course may consist of seminars, individualized instruction and/or research related to a specific area of specialization.

B.S. Computer Information Systems

The Computer Information Systems degree programs at Husson University focus on the experiential learning model to prepare students for a wide variety of positions within the Information Technology (IT) field. In smaller organizations IT professionals typically have diverse
responsibilities ranging from network administrator to software developer to computer technician. In larger organizations IT professionals have cursory knowledge of many IT areas, but possess specialized skills in one particular area. Regardless of the position or organization, IT professionals are responsible for not only maintaining and securing existing equipment and data, but also assessing, recommending, and implementing new technology throughout the organization.

In completing the B.S. CIS degree, students will be able to:

- Apply ethical decision-making skills and integrity in an ever-changing, global environment
- Demonstrate oral and written communication skills, appropriate to the profession
- Apply critical problem-solving and professional skills in an experiential, learning environment
- Analyze and repair computer hardware and software infrastructure.
- Demonstrate knowledge of best practices and guidelines of developing computer software.
- Demonstrate knowledge of project management practices and principles.
- Evaluate the implications/impact of computer technology solutions on business policies and practices.

### General Education Courses

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>CM 100</td>
<td>Speech</td>
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<tr>
<td>CM 221</td>
<td>Professional Communications</td>
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</tr>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
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<td>EH 124</td>
<td>Rhetoric and Composition II</td>
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<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
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<tr>
<td>EH 2XX</td>
<td>Technical Writing</td>
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<tr>
<td>HE 111</td>
<td>The Husson Experience ***</td>
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<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
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<td>or MS 232</td>
<td>Finite Mathematics</td>
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<td>MS 141</td>
<td>Contemporary College Algebra</td>
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<td>or MS 180</td>
<td>Precalculus with Trigonometry</td>
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<td>PY 111</td>
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<td>Fine or Performing Arts</td>
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<td>Global Elective</td>
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<td>SC Science Elective</td>
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<td>Open Electives 200+</td>
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### Co-curricular activity and/or community service

### Computer Information and Business Courses

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>AC 121</td>
<td>Principles of Accounting I</td>
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<td>BA 211</td>
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<td>BA 302</td>
<td>Business Ethics</td>
<td>3</td>
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<td>BA 310</td>
<td>Organization and Management</td>
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</tr>
<tr>
<td>MI 241</td>
<td>Managing and Maintaining a PC I</td>
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</tr>
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<td>MI 242</td>
<td>Managing and Maintaining a PC II</td>
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<tr>
<td>MI 261</td>
<td>Introduction to Computer Programming I</td>
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<td>Introduction to Computer Programming II</td>
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<td>MI 325</td>
<td>Algorithms and Data Structures I</td>
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<td>or MI 341</td>
<td>Managing and Maintaining a Windows Server I</td>
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<td>or MI 342</td>
<td>Managing and Maintaining a Windows Server II</td>
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<td>Networking</td>
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<td>MI 351</td>
<td>Information System Internship</td>
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<td>Database Design</td>
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### Total Hours

122

### Suggested Course Sequence

#### First Year

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<th>Fall</th>
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<th>Hours</th>
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<tr>
<td>AC 121</td>
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<td>PY 111</td>
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<td>CM 100</td>
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<td>EH 124</td>
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<td>MS 141 or 180</td>
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<td>EH 123</td>
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<td>MS 132 or 232</td>
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<td>HE 111***</td>
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<td>BA 101</td>
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<td>MI 241</td>
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17

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#### Second Year

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<th>Fall</th>
<th>Hours</th>
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<tr>
<td>BA 211</td>
<td>3</td>
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<td>EH 200</td>
<td>3</td>
<td>MI 262</td>
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<td>MI 331</td>
<td>3</td>
<td>MI Elective</td>
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<td>MI 261</td>
<td>3</td>
<td>Foreign Culture and Conversation Elective</td>
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<td>Lab Science Elective</td>
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<td>CM 221</td>
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#### Third Year

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<td>BA 310</td>
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<td>MI 325 or 341</td>
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<td>EH 2XX::Technical Writing</td>
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<td>MI 411</td>
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#### Fourth Year

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<th>Hours</th>
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<td>BA 243</td>
<td>3</td>
<td>MI 422</td>
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<tr>
<td>MI 421</td>
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<td>Business Elective</td>
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</tbody>
</table>
MI Elective 3  Fine Arts Elective 3
Global Elective 3  MI Elective (300+) 3
Open Elective (200+) 3  Open Elective (200+) 3

Total Hours: 15 15

*** Credit may not be required for degree credit.

Courses

IS 455. Independent Study. 1-6 Hour.
This independent study offers an upper-class student the opportunity to present one or more small projects for analysis. The course may consist of seminars, individualized instruction, and/or research related to a specific area of specialization.

B.S. Computer Information Systems/M.B.A.

The dual bachelor's degree in CIS and Master of Business Administration program advances an undergraduate/graduate information technology and management curriculum. It combines the technical skills from the undergraduate information technology classes with the management and leadership skills of the graduate program. Students in this dual BS/MBA program may earn both degrees in as few as 5 years.

In completing the B.S. CIS portion of the dual degree, students will be able to:

- Apply ethical decision-making skills and integrity in an ever-changing, global environment
- Demonstrate oral and written communication skills, appropriate to the profession
- Apply critical problem-solving and professional skills in an experiential, learning environment
- Analyze and repair computer hardware and software infrastructure.
- Demonstrate knowledge of best practices and guidelines of developing computer software.
- Demonstrate knowledge of project management practices and principles.
- Evaluate the implications/impact of computer technology solutions on business policies and practices.

Students will also need to meet the program objectives of the MBA program.

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<td>Foreign Culture and Conversation Elective</td>
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<td>Global Perspectives Elective</td>
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<td>SC Science Elective</td>
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<td>Co-curricular activity and/or community service</td>
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<td>Open Electives (200+)</td>
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<td>MI 261</td>
<td>Introduction to Computer Programming I</td>
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<td>Networking</td>
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<td>Managing and Maintaining a Windows Server I</td>
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<td>Algorithms and Data Structures I</td>
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<td>Algorithms and Data Structures II</td>
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Graduate Business Courses

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<td>BA 601</td>
<td>Managerial Economics</td>
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<td>BA 602</td>
<td>Managerial Accounting</td>
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<td>BA 605</td>
<td>Management Communications</td>
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<td>BA 621</td>
<td>Marketing Management</td>
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<td>BA 625</td>
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<td>BA 643</td>
<td>Strategic Change Management</td>
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Total Hours 152

Suggested Course Sequence

First Year

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<th>Spring Hours</th>
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<td>Principles of Accounting I</td>
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<tr>
<td>CM 100</td>
<td>Speech</td>
<td>3</td>
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</table>

Suggested Course Sequence

First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Fall Hours</th>
<th>Spring Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC 121</td>
<td>Principles of Accounting I</td>
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<td>3</td>
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<tr>
<td>CM 100</td>
<td>Speech</td>
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<td>Course</td>
<td>Fall Hours</td>
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<td></td>
</tr>
<tr>
<td>MI 241</td>
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<tr>
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<tr>
<td>EH 123</td>
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<tr>
<td>HE 111***</td>
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**Second Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall Hours</th>
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<tbody>
<tr>
<td>MI 261</td>
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</tr>
<tr>
<td>BA 211</td>
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</tr>
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<td>EH 200</td>
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<tr>
<td>MI 331</td>
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**Third Year**

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<tr>
<td>BA 310</td>
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<tr>
<td>EH 2XX Technical Writing</td>
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<tr>
<td>MI 411</td>
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<tr>
<td>Business Elective</td>
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<tr>
<td>MI 325 or 341</td>
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<td>MI Elective (300+)</td>
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**Fourth Year**

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<tr>
<td>BA 601</td>
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<td>BA 605</td>
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<td>MI 421</td>
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<td>MI Elective</td>
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**Fifth Year**

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<td>BA 243</td>
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<td>3</td>
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<td>BA 600</td>
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<td>BA 643</td>
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<tr>
<td>Graduate Business Elective</td>
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<tr>
<td>Global Perspective Elective</td>
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</table>

**Total Hours: 152**

*** Credit may not be required for degree completion.

**Courses**

**IS 455. Independent Study. 1-6 Hour.**
This independent study offers an upper-class student the opportunity to present one or more small projects for analysis. The course may consist of seminars, individualized instruction, and/or research related to a specific area of specialization.

**A.S. Computer Information Systems**

The two-year Associate in Science program prepares graduates for entry-level positions as computer programmers and networking specialists with potential to move to the level of system analyst or management in CIS and networking. All credits in the two-year program are transferable into the four-year program in CIS.

The associate’s degree program consists of 61 credit hours of course work and related activities in the Associate of Science program.

**General Education Courses**

- CM 100 Speech 3
- CM 221 Professional Communications 3
- EH 124 Rhetoric and Composition II 3
- EH 123 Rhetoric and Composition I 3
- EH 200 Approaches to Literature 3
- EH 2XX Technical Writing 3
- HE 111 The Husson Experience*** 1
- MS 132 Probability and Statistics 3
- or MS 232 Finite Mathematics

**Computer Information and Business Courses**

- AC 121 Principles of Accounting I 3
- BA 211 Microeconomics 3
- BA 101 Introduction to Business 3
- MI 241 Managing and Maintaining a PC I 3
- MI 242 Managing and Maintaining a PC II 3
- MI 261 Introduction to Computer Programming I 3
- MI 262 Introduction to Computer Programming II 3
- Business Elective 3
- MI Elective 3
- MI Elective (200+) 3

**Total Hours: 62**

*** Credit may not be required for degree completion.

**Suggested Course Sequence**

**First Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall Hours</th>
<th>Spring Hours</th>
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<tbody>
<tr>
<td>MI 241</td>
<td>3</td>
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<tr>
<td>EH 123</td>
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<td>HE 111</td>
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Total Hours: 152
AC 121 3 Open Elective 3
MS 141 or 180 4 MS 132 or 232 3
CM 100 3

Total Hours: 17 15

Second Year

Fall Hours Spring Hours
BA 211 3 Business Elective 3
EH 200 3 CM 221 3
EH 2XX Technical Writing 3 MI Elective (200+) 3
MI Elective 3 Open Elective 3
MI 261 3 MI 262 3

Total 15 15

Total Hours: 62

Computer Information Systems Minor

Students who wish to focus their electives on the area of IT are encouraged to declare a minor in Computer Information Systems. Choosing a minor to complement your degree program can add value to your college experience and boost your resume. Students who major in other fields may choose to complete a minor in CIS with six required courses.

MI Electives (200+) (CT 207/209 May be used) 12
MI Electives (300+)

Total Hours 18

All students seeking a minor within the School of Business must achieve a minimum grade point average of 2.0 in the courses relied upon for earning the designation.

Undergraduate Programs in Criminal Justice

Features of the Program

The Criminal Justice major prepares students for exciting and challenging careers in the rapidly expanding fields of law enforcement, investigations, private security, and corrections. In addition to modern course offerings, students visit courts, correctional facilities, law enforcement agencies, and private security installations. A vast system of networking enables students to interact with seasoned law enforcement officials.

A Criminal Justice major completes credits in professional and general education courses. The general education core helps the student develop analytic and communication skills, and provides an understanding of the economic, political, and social context within which the criminal justice system functions. Professional courses consist of the most advanced instruction available in investigations, evidence, policing procedures, criminal law, and modern correctional practices.

Requirements for Criminal Justice Majors

Candidates for a Bachelor of Science degree are required to complete a minimum of 121 semester credit hours. Candidates for an Associate of Science degree are required to complete 60 semester credit hours, maintaining a 2.0 overall cumulative grade point average and a 2.0 overall in the courses listed below. Transfer students must complete a minimum of 30 credit hours at Husson University. At least 15 credits must be earned in Husson Criminal Justice courses.

Courses Requiring a Minimum 2.0 GPA

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CJ 101</td>
<td>Intro to Justice &amp; Pub Safety</td>
<td>3</td>
</tr>
<tr>
<td>CJ 215</td>
<td>Police Operations</td>
<td>3</td>
</tr>
<tr>
<td>CJ 235</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>CJ 445</td>
<td>Criminal Justice Capstone</td>
<td>3</td>
</tr>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
</tr>
<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
<td>3</td>
</tr>
<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

Students may submit a portfolio seeking credit for equivalent professional training in and life experience in law enforcement, corrections, or security work by taking PA 100 Portfolio Assessment.

Courses

CJ 101. Intro to Justice & Pub Safety. 3 Hours.
This course introduces students to the social reality of crime, criminal behavior, and law as each of these relates to the criminal justice system. Students examine the role of law enforcement, prosecution, defense, court system, corrections, and juvenile justice at various levels. Students are challenged to expand both their knowledge and appreciation of the criminal justice system through arranged visits to courts, detention facilities and working law enforcement agencies.

CJ 215. Police Operations. 3 Hours.
This course deals with everyday problems, situations and operations of the police department and the police officer. Included in the course is the study of many jobs and applications of duty in the police service. The course is a study of the patrol officer’s function, with a background investigation of the total organization. The use of staff deployment, tactical operations, and the use of various equipment are discussed in some detail during the course with an emphasis on how operations and equipment are changing. Prerequisite(s): CJ 101.

CJ 221. Criminalistics. 3 Hours.
This course will focus on the recovery, documentation and laboratory analysis of physical evidence found at the scene of a crime. The course covers the principles of effective crime scene management as well as what information can be obtained from particular pieces of physical evidence as a result of laboratory study. The laboratory analysis of the following will be covered: glass, soil, organic and inorganic substances, hairs, fibers, paint, drugs, poison, arson and explosive evidence, serology, DNA, fingerprints, firearms, tool impressions, miscellaneous impressions, photography, document and voice examinations. Prerequisite(s): CJ 101.
CJ 225. Criminal Procedure. 3 Hours.
This course is designed to teach the background and current information regarding arrest, search and seizure. It explores the development of standards in this field, through constitutional law, state law, concepts and interpretation, limitations of police powers, probable cause, and the suppression hearing.

CJ 235. Criminology. 3 Hours.
This course is intended to introduce and review the sociological perspective as it is applied to the themes of crime, criminality and the individual offender. Specifically, criminological theories of social process, social structure and social conflict will be explored in conjunction with views on developmental and trait-based perspectives to illuminate the social underpinnings of crime in modern society. Each particular viewpoint will be applied to the understanding of broad categories of criminal behavior and activity, including but not limited to: violent crime, property crime, public order crimes, organized crime, and white collar offenses. Additionally, the criminal justice system and its component structural and procedural parts will be reviewed to provide the student with an enhanced awareness of the social aspects of criminal behavior and its impact for law-making and enforcement. Prerequisite(s): PY 111 and (SY 201 or SY 222).

CJ 290. Psychology and the Legal System. 3 Hours.
Students will explore the movement of criminal defendants through the legal system in light of various clinical necessities, including but not limited to: Competencies to offer testimony, as well as to be sentenced and excused; jury selection; and the identification and evaluation of criminal suspects. Additionally, emphasis will be placed upon the psychology of victimization. Prerequisite(s): CJ 101 and CJ 225 and PY 111.

CJ 301. Critical Skills. 3 Hours.
This course is intended to introduce and review the basic law enforcement skills of self defense and control. Specifically, students will learn and practice the important elements of establishing control of situations using verbal, nonverbal and physical techniques as complementary intervention options. Strategies to manage the initial encounter will be discussed in regard to proper stance, appropriate social distance, authoritative body language and the use of verbal diffusion. The physical element of encounters will be reviewed and practiced to provide the student with a practical knowledge of techniques including, but not limited to: deflection, strikes and counters, take-downs and ground control of a combative individual. The above skills will be expanded upon to provide the necessary understanding of other control systems such as proper use of handcuffs, baton and chemical products to establish control. The focus on practical skills will be reviewed within the context of the use of force continuum ranging from verbal redirection to deadly force. Prerequisite(s): CJ 101 and CJ 215.

CJ 302. Advanced Critical Skills. 3 Hours.
This course is intended as a continuation of the psychological and physical applications of critical skills (police physical restraint and control). Through a series of steps, the student will reinforce the basics, enhance the flow of technique and finally though situational training strengthen and secure psychological and physical technique to specific calls and events. The focus on practical skills will be reviewed within the context of the use of force continuum ranging from verbal redirect to deadly force. Prerequisite(s): CJ 301.

CJ 305. Motor Vehicle Law. 3 Hours.
This course is intended to introduce and review motor vehicle law as it relates to the enforcement of those statutes concerned with moving violations. The student will also be introduced to the principles and procedures of identification and investigation of motor vehicle infractions. Specifically, topics will be presented ranging from vehicle stops and pursuit driving to operating under the influence and traffic-related fatalities, including homicide. Students will gain in-depth understanding of accident and hit-and-run investigation, as well as an overview of providing testimony in the courtroom. Each aspect of enforcement and investigation will thereby contribute to an appreciation of the complexities of police responsibilities regarding the monitoring and control of traffic movement. Prerequisite(s): PL 200.

CJ 307. Community Policing. 3 Hours.
This course is intended to introduce and review the basic principles of community policing strategies in contemporary society. The importance of enhanced law enforcement-community relationships will be discussed in relation to the benefits to the citizenry as well as enhanced relations with community stakeholders such as schools, businesses and religious institutions. Specifically, the student will be expected to gain an appreciation of the police officer as a community member who works collaboratively with private citizens to analyze, evaluate and respond to crime. This focus on cooperative problem-solving will be further explored in regard to how strategic partnerships between law enforcement and the community can positively impact criminal acts, fear of crime and social disorder. Prerequisite(s): CJ 215.

CJ 309. Constitutional Law. 3 Hours.
This course will explore the First, Second, Fourth, Fifth, Sixth, Eighth and Fourteenth Amendments of the Constitution through reading of case law and real life examples. Students will understand the arguments that exist for persons involved in civil and criminal matters from the Constitution. Prerequisite(s): CJ 225.

CJ 310. Mod Penology and Corrections. 3 Hours.
This course offers an in-depth familiarity with the key readings in the history and sociology of incarceration. Topics include: theories of incarceration, sentence determination, with emphasis on the controversy over the federal guidelines, history of our incarceration system, inmate and staff perspectives on incarceration, special category inmates such as mentally ill, rape victims, death row inmates, and juvenile offenders, the death penalty, and the community supervision movement. The course concludes with an examination of the new technologies of incarceration. Prerequisite(s): CJ 101.

CJ 315. Juvenile Justice. 3 Hours.
This course covers the institutional response to the problems of juvenile delinquency, juvenile misconduct and dependent/neglected and abused children. It emphasizes the police, court, and correctional agencies that process young people. In addition, it devotes attention to an understanding of the history of the system, recent legal developments, and an assessment of current proposals for reform. Prerequisite(s): CJ 101.

CJ 330. Ethics in Criminal Justice. 3 Hours.
This course will offer the student an examination of ethical systems as they relate to moral beliefs and professional behavior in law enforcement. Students will discuss how ideology and belief systems, whether liberal, moderate, or conservative affects criminal justice policy making and the day-to-day functioning of criminal justice agencies. As an exercise, students will apply ethical decision-making models to real world scenarios. Additionally, the course will include thirteen objectives that the student will be expected to master extending from a code of ethics for police to major rationales for punishment. Prerequisite(s): CJ 101.
CJ 333. Computer Forensics. 3 Hours.
This course will focus on the investigative use of computer technologies and electronic records. Students will be exposed to "digital evidence" and the valuable information it can provide to investigators. The course will have a two-tier approach. (1) Students will be shown how to extract readily decipherable information from someone's computer such as looking for at their files or their browser history of web sites visited. Even if the information is password protected or has been deleted it might still be recoverable. (2) The course will examine criminals who use computers and the Internet to commit various crimes ranging from trying to lure children into chat rooms or face-to-face meetings to every sort of financial fraud. This course is intended to address a growing need in law enforcement. Prerequisite(s): Major=BS Comp Info Systems or Major=BS Criminal Justice.

CJ 335. Report Writing and Testifying. 3 Hours.
This course is designed to teach students how to write police reports, search warrants and affidavits. Topics studied will include: the SEE method; legal concepts of reasonable articulable suspicion; probable cause to arrest; determination of custody for purposes of Miranda; and testifying effectively in court. Prerequisite(s): CJ 101 and CJ 225 and PL 200.

CJ 337. Interviewing and Interrogation. 3 Hours.
This course will focus on interviewing skills and techniques, both from a practical and legal perspective. Primary attention will be given to what needs to be done to satisfy the legal standards of voluntariness of admissions and confessions. Fifth and Sixth Amendment law will be thoroughly reviewed and discussed. The course will prepare students to conduct effective interrogations, and document the interrogation in a manner that will withstand later legal challenges. Prerequisite(s): CJ 101 and CJ 225 and PL 200.

CJ 341. Investigations. 3 Hours.
This course covers both private and public investigations as well as the practice and application to criminal investigations. It stresses the professionalism and modern investigation tools as it covers established investigation policies, procedures, and techniques for the law enforcement officer. Recent court cases and investigations are integrated throughout the course to update the students on significant happenings throughout the world. Prerequisite(s): CJ 101.

CJ 345. Comparative Criminal Justice. 3 Hours.
This course is intended to introduce and review the basic theoretical, cultural and practical applications of criminal justice systems in other parts of the world. American criminal law and procedure will be discussed to provide a comparative reference point for the variations in systems and practices across differing cultures in other nations. Additionally, the course will provide students with an understanding of the roles of social control mechanisms such as police, judiciary and correctional institutions outside of the U.S. Prerequisite(s): CJ 101 and CJ 225.

CJ 399. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in criminal justice that would not normally be a part of the Husson curriculum. As such the topics will depend of the interests of students and faculty.

CJ 400. Evidence. 3 Hours.
This course will present the basic principles of the law of evidence as expressed in the Federal Rules of Evidence and the Maine Rules of Evidence. The student will develop the ability to read and apply a rule of evidence to specific information and circumstances. An emphasis will be placed on learning how the Federal & Maine Rules of Evidence effect trial preparation, negotiation, and trial. Participatory role play and discussion of hypothetical situations will constitute a significant part of the learning experience. Prerequisite(s): Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Criminal Justice or Major=BS Paralegal or Major=BS English - Prelaw.

CJ 401. Civil Liability in Law Enforcement. 3 Hours.
This course will provide students with a historical overview and current trends in civil litigation against law enforcement as well as describing the varying types of liability that exist under the law. Students will study the defenses to liability claims made against law enforcement. Liability claims will also be examined from the administrator's point of view including claims of failure to train and failure to supervise. Use of force and section 1983 claims will be examined in detail as the main claims against law enforcement. Prerequisite(s): CJ 101.

CJ 402. Perspectives in Terrorism. 3 Hours.
This course will analyze aspects of historical and current extremism and terrorism which will be related to contemporary domestic and international terrorism issues. The course will cover sophisticated theories developed by analysts around the world to investigate paramilitarism, white supremacy groups, hate groups, religious fundamentalism, and foreign terrorist groups which may pose a threat to United States interests. The special topic analyzed is not a regular course offering of the social sciences department. Since the topic covered in this class differs from year to year, students should seek further information from the instructor before registering regarding the particular topic that will be analyzed. Possible topics to be analyzed include: the ancient roots of terrorism, motivation of terrorists, the current vulnerability of modern democracies, and global jihad.

CJ 403. Domestic Violence Law. 3 Hours.
This course introduces domestic violence law from an interdisciplinary perspective and offers a contemporary view of the criminal justice experience with diverse populations and forms of violence. Topics will include violence perpetrated in a variety of age and gender relationships including: dating violence, sibling abuse, rape and incest, child and elder abuse and neglect, male battering, violence within the lesbian and gay communities, and violence against women. Students will also be expected to master current State of Maine and federal statutes relating to domestic violence. Prerequisite(s): PL 100 or CJ 101.

CJ 404. Cults. 3 Hours.
This course is intended to introduce and explore the structure and psychology of totalistic cultic organizations. Students will examine the key differences between conventional religious movements, splinter sects and cults to better understand the differences among varied faith-based organizations. Cults will be viewed both from historical and contemporary viewpoints in regard to recruiting practices, thought reform and control, personal and social consequences of cult membership, and the unique challenges that such groups pose for law enforcement. Additionally, students will review the clinical precursors which may predispose an individual to cultic persuasion and indoctrination, as well as the psychological consequences of membership. The course will rely heavily upon a detailed case study format which will scrutinize selected cult leaders/groups and allow students to apply theoretical knowledge to particular historical events and figures. Prerequisite(s): PY 332 or PY 232.
CJ 405. Crime & Literature. 3 Hours.
This course is intended to introduce several works of classical and modern literature which have incorporated the use of crime or criminality as a central theme. Students will be required to read from works of short fiction and novels as a means of preparing for discussion and analysis of core elements. Additionally, the various experiences of the individual criminal will be considered in light of those factors which may have an impact on the development of crime as a situational or social phenomenon. Required sources may include, but not remain limited to: Ernest Hemingway, Arthur Miller, William Faulkner and Truman Capote. Prerequisite(s): EH 200.

CJ 406. Victimology. 3 Hours.
This course will focus on the forgotten member of the criminal dyad: the victim. The purpose of this course is to introduce students to these developments and to alert them to ongoing victim-related issues. The goals of the course will include: Introducing the student to the development of the field of victimology; Delineating the conceptual boundaries of victimology; Familiarizing the student with basic concepts and literature within various sub-areas of victimology; Exploring policy developments and practical applications that stem from this concern over victims; and Assessing the progress away from a criminal justice system towards achieving a victim justice system. Prerequisite(s): CJ 235.

CJ 407. Advanced Community Policing. 3 Hours.
In this practicum based course, students will establish partnerships with relevant community members to identify problems related to the incidence of crime and social disorder. Students will engage in a collaborative problem solving exercise which will illustrate the enhanced ability of communities to prevent crime and disorder through cooperative and reciprocal relationships between police and citizens. Prerequisite(s): CJ 307.

CJ 408. Serial Homicide. 3 Hours.
This course is intended to introduce and explore the phenomenon of repetitive, intrinsically motivated homicide utilizing both clinical and law enforcement perspectives. Primary behavioral and crime scene characteristics of both organized and disorganized types of offenders will be reviewed to explain the incidence of serial homicide as a function of motivational factors ranging from sociopathy to severe psychiatric disturbance. The varied typologies and classification systems for serial murderers will be presented as a means of discussing issues ranging from victim selection to law enforcement investigative responsibilities. The course will rely heavily upon a detailed case study format which will scrutinize the crimes of key selected offenders and allow students to apply theoretical knowledge to particular serial perpetrators. Prerequisite(s): PY 332 or PY 232.

CJ 409. Criminal Profiling. 3 Hours.
This course is intended to introduce and review the basic theoretical and practical applications of criminal profiling techniques. Specifically, the student will be introduced to concepts including, but not limited to: the uses of criminal profiling; crime scene evaluation and reconstruction; criminal motivation and offender characteristics; modus operandi and offender signature; psychopathic and sadistic behavior; behavioral aspects of fire-setting; serial offenses, including rape and homicide. Students will explore varied offense behaviors and their psychological underpinnings to develop an understanding of the role of behavioral analysis of evidence in critical investigations. Prerequisite(s): PY 332 or PY 232.

CJ 410. Criminal Justice Internship. 3-9 Hours.
In this experiential course, the student serves as an intern with a criminal justice professional in a work setting. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional, and the internship director. The experience may be multidisciplinary, but should have a strong criminal justice element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): College Level=Junior or College Level=Senior.

CJ 411. Homeland Security. 3 Hours.
This course of study relates principle aspects of terrorism and how it affects our communities. This course compiles information from programs available on the national level that pertain to terrorism and the law enforcement officer’s response to these types of incidents. The instruction is designed to provide the student with an understanding of the key role of first responder in their response to a suspected terrorist incident.

CJ 414. Counterterrorism and Counterinsurgency. 3 Hours.
This course introduces students to the topics of counterterrorism and counterinsurgency. A variety of concepts, theories, and methodologies will be examined in an effort to better understand what drives violent jihadism and global terrorism. Students will learn about policies, strategies, and tactics designed to counter the global threats currently posed during the terror age, and the operational and political risks of government action or inaction.

CJ 415. Corporate Security. 3 Hours.
Security has entered a new era since the events of 9/11 and this course focuses on the impact of these events on Corporate Security. Risk assessment models and proactive strategic planning concepts will be discussed drawing from actual cases. Students will also learn the importance of working from measurable metrics and business needs rather than unproven assumptions.

CJ 416. Global Jihad and Radicalization. 3 Hours.
This course will focus on the rise of radical Islam beginning in the late 20th century with the Mujahideen in Afghanistan and the Muslim Brotherhood in Egypt, through the 21st century with the emergence of Al Qaeda, Taliban, Boka Haram and ISIS. The course will examine methods, practices and global ambitions of these groups. Additionally attention will be given to the global ambitions for the creation of an Islamic caliphate and its implications for the modern world. The process and dynamics of Islamic fundamentalist radicalization will be explored in terms of how and where it occurs and how it can be prevented. Extensive use will be made of multimedia images of historical and current events.

CJ 420. Leadership in Police Organizations I. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 421. Leadership in Police Organizations II. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.
CJ 435. Management & Criminal Justice. 3 Hours.
This course examines the application of modern management theory and technique to the criminal justice system. It emphasizes the unique nature of the criminal justice community and the complex relationships, which are necessary to make it efficient and effective. Topics covered include: hiring, developing personnel; managing budgets, dealing with public sector unions; discipline and problem behaviors; complaints and grievances; stress and time management; performance appraisals; deploying human resources; and emerging trends in criminal justice management. Prerequisite(s): CJ 215.

CJ 445. Criminal Justice Capstone. 3 Hours.
This course is designed to synthesize the information and insights from other courses in the Criminal Justice Curriculum. It includes research in crime trends and causes, scholarly research, and an assessment of each student’s knowledge and understanding of the essential elements of the criminal justice system. This Capstone Course will focus on pragmatic application of principles and theories which guide Criminal Justice practice in the United States. Prerequisite(s): CJ 225 and PL 200.

CJ 490. Forensic Psychology. 3 Hours.
This course will introduce and review the basic theoretical and practical applications of forensic Psychology in our society. The student will be introduced to concepts in the field that directly impact or influence law enforcement and the judicial system. Concepts will range from the uses of criminal profiling, risk assessment of violent behavior and interrogation to custody, competency and discrimination determinations. Students will gain an in-depth understanding of each core topic as well as an appreciation for how each contributes to the broader domain of the criminal justice system. Prerequisite(s): (PY 332 or PY 232) and ( College Level=Junior or College Level=Senior).

CJ 491. Forensic Science I. 4 Hours.
This course builds on the scientific knowledge and analytical skills developed in the prerequisite science courses and laboratory work. The student will apply scientific principles and use current laboratory instrumentation to compare and distinguish between typical forensic evidence items. Students will become familiar with microscope examinations of trace evidence including soil, fibers and hairs, forensic serology and screening, DNA typing, bloodstain pattern analysis and toxicology. Topical discussions and lectures will be supplemented by scheduled field trips and guest speakers from the forensic science community. Prerequisite(s): SC 191 and SC 192 and SL 191 and SL 192 and SC 241 and CJ 221 and CJ 330 and SC 224.

CJ 492. Forensic Science II. 4 Hours.
This course builds on the scientific knowledge and analytical skills developed in the prerequisite science courses, laboratory work and Forensic Science I course. The student will build on their understanding of the properties of organic and inorganic compounds and apply these to analysis of typical forensic science samples. Students will analyze drugs, inks and dyes, explosives, fire debris samples. Forensic document examination, fingerprint development and bullet comparisons will be conducted. Scientific reports will be written for each specific forensic discipline. Topical discussions and lectures will be supplemented by scheduled field trips and guest speakers from the forensic science community. Prerequisite(s): CJ 491.

CJ 493. Forensic Seminar. 4 Hours.
This course is the capstone of the bachelor's degree in forensic science. The course will draw on the knowledge acquired throughout the previous seven semesters. The course will guide students through correct processing and sequencing of processing of evidence at the crime scene and in the laboratory. Particular attention will be placed on understanding the pros and cons, false negatives and false positives, cross reactions and potential for cross contamination in analyzing and testing evidence items. Students will learn various techniques for describing scientific principles in layman's terms. The course will finish up with a mock trial at the end of the semester, giving the student the chance to experience direct and cross examination. During the course of the semester the class will sit for the International Association of Identification (IAI) crime scene technician certification. This will give the students the opportunity to acquire international certification and well as earn the degree. Prerequisite(s): SC 103 and SL 103 and SC 241 and SL 241 and CJ 221 and CJ 330 and SC 224 and CJ 491.

CJ 496. Concepts and Issues in CJ. 3 Hours.
This course provides a broad overview and critical examination of criminal justice topics. Commentary on these issues is written by experts in fields such as crime and justice and America, American law enforcement, the court system, juvenile justice, corrections, and the future of justice in America. Students will be required to meet nineteen course objectives and will be expected to read and comprehend a series of essays and subsequently research current events related to the CJ topics. An additional requirement will be student-led class discussion on an assigned topic area over the course of the semester. Prerequisite(s): ( College Level=Junior or College Level=Senior) and ( Major=BS Criminal Justice or Major=BS Psychology - Crim Justice).

CJ 498. Basic Law Enforcement Training. 15 Hours.
Taught at the Maine Criminal Justice Academy, this 18-week course is designed to qualify a student as a Maine law enforcement officer. The Academy program tests a student's ability and willingness to assume the complex and challenging responsibilities of a modern law enforcement officer in keeping the peace, protecting state and federal constitutional rights and enforcing the law.

CJ 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in criminal justice that would not normally be a part of the Husson curriculum. As such the topics will depend on the interests of students and faculty. Prerequisite(s): ( College Level=Junior or College Level=Senior).

CJ 700. Introduction to Criminal Justice Administration. 3 Hours.
This course provides an analysis and overview of the theories of organization and the administration of criminal justice agencies, including management styles, techniques of leadership, ethics, and decision-making for those students who do not have a previous background in criminal justice.

CJ 701. Justice Administration and Information Systems. 3 Hours.
This course will include the examination of contemporary law enforcement organizations and the issues police and other public service managers confront every day. The course will focus on case study analysis as a method of learning the latest management and behavioral theories. The five approaches to management that will be emphasized include: commitment to a common purpose, concern for high-quality public services; empowerment and shared leadership; pragmatic incrementalism; and dedication to public service.
CJ 702. Perspectives in Terrorism. 3 Hours.
The students in this course will analyze aspects of historical and current extremism and terrorism which will be related to contemporary domestic and international terrorism issues. The course will cover sophisticated theories developed by analysts around the world to investigate paramilitarism, white supremacy groups, hate groups, religious fundamentalism, and foreign terrorist groups which may pose a threat to United States interests. Among the topics to be analyzed include the ancient roots of terrorism, motivation of terrorists, the current vulnerability of modern democracies, and global jihad.

CJ 703. Labor and Employment Law. 3 Hours.
This course reviews the law under the National Labor Relations Act (NLRA). It will focus on unfair labor practices, union representative elections and conflict in the workplace. It includes an emphasis on proper collective bargaining processes, methods of mediation and arbitration to resolve disputes and the duty to bargain in good faith between employers and employees. Students are expected to study the text of the statute, relevant selections from actual cases, and various other materials and apply them to current events and hypothetical situations.

CJ 705. Leadership & Ethics. 3 Hours.
This course will provide students with a study of leadership principles and strategies using historical figures as examples. The primary source of effective leadership will be Ernest Shackleton and is 1914 Antarctic expedition. Other historical leaders that will be drawn from include, but are not limited to: George Washington, Abraham Lincoln, and Theodore Roosevelt. Students will focus on leadership decisions made by these individuals and the ethical framework that surrounds every decision. Students will incorporate the leadership and ethical decision making skills into a final project related to their own field of study.

CJ 707. Public Policy and Planning. 3 Hours.
Students will examine policy development and planning processes. Topics will include the process and models of policy formation, policy implementation methods and evaluation components typically associated with planned change in criminal justice.

CJ 709. Advanced Criminological Theories. 3 Hours.
This course is intended to introduce an advanced sociological perspective as it is applied to the themes of crime, criminality and the individual offender. Specifically, definitions of selected crimes will be explored in conjunction with various perspectives on both causation and response to criminal acts. This analysis will require students to read and discuss the primary writings of those thinkers responsible for the development of landmark classical and contemporary criminological theories.

CJ 710. Criminal Justice Graduate Internship. 3-6 Hours.
This course is designed for students who desire to obtain on-the-job experience in the criminal justice profession who have not previously been employed in the internship locale. The nature of the work and the location of the internship must be approved by the student’s advisor. Included in the experience and pre-counseling, on-site supervision, periodic summary and evaluation reporting, supplemental reading, pertinent research or practical work-related projects, and presentation of projects.

CJ 711. White Collar Crime. 3 Hours.
This course explores the nature of elite deviance as it relates to crime and power in American society. Various forms of white collar crime will be examined and illustrated through case studies and estimates of the extent and costs of these crimes will be presented. Students will have the opportunity to gain a better understanding of how white collar crime affects employees, consumer and citizens.

CJ 712. Homeland Security. 3 Hours.
This course relates principle aspects of terrorism and how it affects our communities. It compiles information from programs available on the national level that pertain to terrorism and the law enforcement officer’s response to these types of incidents. The instruction is designed to provide the student with an understanding of the key role of first responder in their response to a suspected terrorist incident.

CJ 713. Psychology and the Legal Environment. 3 Hours.
This course is intended to introduce and review the basic theoretical and practical applications of forensic psychology in our society. Specifically, issues related to the use of psychological research and knowledge in legal environments will be presented to allow the student to appreciate the unique interaction between psychology and the law. Concepts will range from the analysis of competency and insanity to the use of criminal profiling, risk assessments of violent behavior, and psychopathology. Considerable attention will be allotted to an investigation of victimology concerns stemming from sexual assault of children and adults, as well as domestic violence. Students will gain an in-depth understanding of each core topic as well as an appreciation for how each contributes to the broader domain of the legal system.

CJ 714. Counterterrorism and Counterinsurgency. 3 Hours.
This course introduces students to the topics of counterterrorism and counterinsurgency. A variety of concepts, theories, and methodologies will be examined in an effort to better understand what drives violent jihadism and global terrorism. Students will learn about policies, strategies, and tactics designed to counter the global threats currently posed during the terror age, and the operational and political risks of government action or inaction.

CJ 715. Corporate Security. 3 Hours.
This course will focus on the impacts on corporate security from the new age that has been entered since 9/11/01. Entirely new risk assessment models and proactive strategic planning concepts will be discussed drawing from actual cases. The important of working from measurable metrics and business needs rather than unproven assumptions will be discussed.

CJ 716. Global Jihad and Radicalization. 3 Hours.
This course will focus on the issue of the rise of radical Islam beginning in the late 20th century with the Mujahedeen in Afghanistan and the Muslim Brotherhood in Egypt, through the 21st century with the emergence of Al Qaeda, Taliban, Boka Haram and ISIS. The course will examine methods, practices, and global ambitions of these groups. Additionally attention will be given to the global ambitions for the creation of an Islamic caliphate and its implications for the modern world. The process and dynamics of Islamic fundamentalist radicalization will be explored in terms of how and where it occurs and how it can be prevented. Extensive use will be made of multimedia images of historical and current events.

CJ 717. Graduate Capstone Course. 3 Hours.
This course focuses on providing students an understanding of the major theories of the public policymaking process, the mechanics of the process, methods of examining policy impacts, and how criminological research can affect policy change as well as be driven by policy. Another goal of this course is to familiarize students with current pressing criminal justice issues and to have the students become sophisticated practitioners and consumers of evaluation research. Students will be expected to reflect critically upon the role of criminological research in the policy making / decision making process. Prerequisite(s): BA 600 and 18 Credits From Range [BA 600 To BA 799].
CJ 720. Leadership in Police Organizations I. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 721. Leadership in Police Organizations II. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 799. Topic/. 3-6 Hours.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in Criminal Justice Administration. This course may consist of seminars, individualized instruction, and/or research related to a specific area of specialization.

B.S. Criminal Justice

Students are expected to complete 121 credit hours of course work related activity in the Bachelor of Science program. This program provides both a strong core of professional courses as well as a varied liberal arts background. Students in this program are eligible to attend the Maine Criminal Justice Academy’s Pre-Service Training Program (http://www.maine.gov/dps/mcja/training/preservice), which certifies individuals to become eligible for employment as part-time law enforcement officers in the State of Maine, and receive six college credits as well. Students in their last year of the program may choose to attend the Maine Criminal Justice Academy’s Basic Law Enforcement Training Program (http://www.maine.gov/dps/mcja/training/basiclaw) to be eligible for employment as a full time law enforcement officer in the State of Maine and receive fifteen college credits as well. After students complete their first year, they are also eligible to do internships in law enforcement agencies, offices, and businesses for hands-on experiential learning. This program will prepare graduates for entry level positions and also for future advancement to leadership positions in the profession.

The program objectives for the B.S. Criminal Justice are:

• To demonstrate excellent or outstanding understanding of the key concepts of Criminal Justice:
  • Administration of Justice
  • Law Enforcement
  • Law Adjudication
  • Corrections
  • Criminological Theory
  • Research and Analytical Methods

• To apply ethical decision-making skills and integrity in an ever changing global environment.

• To produce and present effective oral and written forms of communication.

• To analyze diversity issues in the criminal justice field

The following classes are required to complete this program of study:

General Education Courses

<table>
<thead>
<tr>
<th>Course Code</th>
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<td>BA 211</td>
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<tr>
<td>BA 311</td>
<td>Human Resource Management</td>
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</tr>
<tr>
<td>CM 221</td>
<td>Professional Communications</td>
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</tr>
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<td>EH 123</td>
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Required Courses

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Fine Arts Elective

Foreign Culture and Conversation Elective

Co-curricular activity and community service are required

Professional Courses

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<td>Intro to Justice &amp; Pub Safety</td>
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<td>CJ 215</td>
<td>Police Operations*</td>
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<td>CJ 221</td>
<td>Criminalistics</td>
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<td>CJ 225</td>
<td>Criminal Procedure*</td>
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<tr>
<td>CJ 235</td>
<td>Criminology*</td>
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<td>CJ 309</td>
<td>Constitutional Law</td>
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<td>Mod Penology and Corrections</td>
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<td>CJ 315</td>
<td>Juvenile Justice</td>
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<td>CJ 330</td>
<td>Ethics in Criminal Justice</td>
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<td>CJ 337</td>
<td>Interviewing and Interrogation</td>
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<td>CJ 341</td>
<td>Investigations</td>
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<td>CJ 400</td>
<td>Evidence</td>
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<td>CJ 435</td>
<td>Management &amp; Criminal Justice</td>
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<td>CJ 445</td>
<td>Criminal Justice Capstone*</td>
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Total Hours 122

Suggested Course Sequence

First Year

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Total Hours 122
B.S. Criminal Justice/B.S. Psychology

This unique curriculum provides a strong core of professional courses as well as varied liberal arts offerings leading to Bachelor’s degrees in both Criminal Justice and Psychology. The course of study is structured to expose students to core theoretical, clinical and practical topics in complementary disciplines with elective based courses and fieldwork opportunities allowing the individual learner to tailor the program to include unique interests.

The dual degree program also provides the option of attending the Maine Criminal Justice Academy’s Pre-Service Training program (http://www.maine.gov/dps/mcja/training/preservice), allowing the student to earn six college credits and become eligible to work as a part-time law enforcement officer in the State of Maine. Those students in their final year of study may choose instead to attend the Academy’s Basic Law Enforcement Training Program (http://www.maine.gov/dps/mcja/training/basiclaw) to become eligible to work as a full-time law enforcement officer in the State of Maine, while earning fifteen college credits.

During the fourth and fifth years, students are required to complete a practicum experience in Psychology and may choose to complete an internship in a Criminal Justice related setting. Upon completion of the core Psychology coursework, the student is also able to apply for certification as a Mental Health Rehabilitation Technician, Community Level (MHRT-C) (http://www.husson.edu/psychology) in the State of Maine. These opportunities allow the student to meaningfully integrate classroom based learning into a real world application of knowledge. The dual degree student is therefore ideally positioned for entry level positions in both professions as well as post-baccalaureate study at a graduate level.

In order to earn both degrees, students will be expected to fulfill the program objectives for the B.S. Criminal Justice and B.S. Psychology.

This is a five-year dual degree major in which the student, upon completion of program requirements, is awarded the degrees of B.S. Criminal Justice and B.S. Psychology-MHRT-C. This course of study is prompted by homeland security training requirements and the expanding needs of such agencies as the FBI, CIA, and criminal investigation agencies. The latter cite an increasing demand for profilers with investigative and human behavior backgrounds. The B.S. Psychology-MHRT-C qualifies a student for State of Maine Mental Health Rehabilitation Technician-Community level certification.

A student enrolled in the dual degree program might be expected to take the following courses:

### General Education Courses

<table>
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<tr>
<th>Course Abbreviation</th>
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<tr>
<td>AC 120</td>
<td>Introduction to Accounting</td>
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<td>BA 311</td>
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<td>CM 221</td>
<td>Professional Communications</td>
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<td>EH 123</td>
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<td>EH 124</td>
<td>Rhetoric and Composition II*</td>
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<td>Approaches to Literature*</td>
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<td>HE 111</td>
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<tr>
<td>MS 132</td>
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<tr>
<td>PH 110</td>
<td>Introduction to Ethics</td>
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<tr>
<td>SC</td>
<td>Science Elective with Lab</td>
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</tr>
<tr>
<td>SY 201 or SY 222</td>
<td>Principles of Sociology or Cultural Anthropology</td>
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### Fine Arts Elective

3

### Foreign Language and Cultural Elective

3

### Open Elective

3

### Co-curriculum activity and community service are required

### Professional Courses

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<thead>
<tr>
<th>Course Abbreviation</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CJ 101</td>
<td>Intro to Justice &amp; Pub Safety*</td>
<td>3</td>
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<td>CJ 215</td>
<td>Police Operations*</td>
<td>3</td>
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<tr>
<td>CJ 225</td>
<td>Criminal Procedure *</td>
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<td>CJ 235</td>
<td>Criminology *</td>
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<td>CJ 309</td>
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<td>CJ 310</td>
<td>Mod Penology and Corrections</td>
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<td>Juvenile Justice</td>
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<td>CJ 341</td>
<td>Investigations</td>
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<tr>
<td>CJ 435</td>
<td>Management &amp; Criminal Justice</td>
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<td>CJ 445</td>
<td>Criminal Justice Capstone</td>
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<td>CJ 490</td>
<td>Forensic Psychology *</td>
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<td>PY 141</td>
<td>Human Growth and Development</td>
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<tr>
<td>PY 231</td>
<td>Social Psychology *</td>
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<td>PY 232</td>
<td>Abnormal Psychology</td>
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<tr>
<td>PY 242</td>
<td>Research Methods</td>
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<td>PY 322</td>
<td>Diversity &amp; Multiculturalism</td>
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<td>PY 333</td>
<td>Psychology of Personality</td>
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<td>PY 335</td>
<td>Intro to Rehabilitation</td>
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<td>PY 340</td>
<td>Physiological Psychology</td>
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<td>PY 341</td>
<td>Gerontology</td>
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<td>PY 411</td>
<td>Psychological Tests and Measurements</td>
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<td>PY 431</td>
<td>Behavior Modification/Seminar in Learning</td>
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<td>PY 442</td>
<td>Seminar in Psychology</td>
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<td>PY 450</td>
<td>Introduction to Counseling and Psychotherapy</td>
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<td>PY 447</td>
<td>Trauma and Recovery</td>
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<td>PY 491</td>
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**Suggested Course Sequence**

**First Year**

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<tr>
<th>Fall</th>
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<tr>
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<td>EH 124*</td>
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<td>MS 141</td>
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<td>SY 201 or 222</td>
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<td>Lab Science Elective</td>
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**Second Year**

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<td>CJ 215*</td>
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<td>PL 200*</td>
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<td>EH 200*</td>
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<td>PY 242</td>
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<td>CJ 309</td>
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<td>Foreign Culture and Conversation Elective</td>
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| MS 132 | 3 | PY 231* | 3 |

**Third Year**

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<tr>
<td>CJ 310</td>
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<td>CJ 341</td>
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<td>CM 221</td>
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<td>CJ 235*</td>
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<td>PY 333</td>
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<td>HY 211</td>
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**Fourth Year**

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<td>CJ 315</td>
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<td>PY 335</td>
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<td>PY 411</td>
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<td>PY 431</td>
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**Fifth Year**

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**Total Hours: 152**

* "C" or better in all courses marked
*** Credit may not be required for degree completion.

**CJ Courses**

**CJ 101. Intro to Justice & Pub Safety. 3 Hours.**
This course introduces students to the social reality of crime, criminal behavior, and law as each of these relates to the criminal justice system. Students examine the role of law enforcement, prosecution, defense, court system, corrections, and juvenile justice at various levels. Students are challenged to expand both their knowledge and appreciation of the criminal justice system through arranged visits to courts, detention facilities, and working law enforcement agencies.

**CJ 190. The Science of Fingerprints. 3 Hours.**
This course will allow students to examine every facet of the discipline, from the history of friction ridge identification and its earliest pioneers and researchers, skin growth in the embryo, structure of skin, scarring and histology, the chemistry of sweat and other secretions, to the scientific basis and the various steps of the identification process.
CJ 215. Police Operations. 3 Hours.
This course deals with everyday problems, situations and operations of the police department and the police officer. Included in the course is the study of many jobs and applications of duty in the police service. The course is a study of the patrol officer’s function, with a background investigation of the total organization. The use of staff deployment, tactical operations, and the use of various equipment are discussed in some detail during the course with an emphasis on how operations and equipment are changing. Prerequisite(s): CJ 101.

CJ 221. Criminalistics. 3 Hours.
This course will focus on the recovery, documentation and laboratory analysis of physical evidence found at the scene of a crime. The course covers the principles of effective crime scene management as well as what information can be obtained from particular pieces of physical evidence as a result of laboratory study. The laboratory analysis of the following will be covered: glass, soil, organic and inorganic substances, hairs, fibers, paint, drugs, poison, arson and explosive evidence, serology, DNA, fingerprints, firearms, tool impressions, miscellaneous impressions, photography, document and voice examinations. Prerequisite(s): CJ 101.

CJ 225. Criminal Procedure. 3 Hours.
This course is designed to teach the background and current information regarding arrest, search and seizure. It explores the development of standards in this field, through constitutional law, state law, concepts and interpretation, limitations of police powers, probable cause, and the suppression hearing.

CJ 235. Criminology. 3 Hours.
This course is intended to introduce and review the sociological perspective as it is applied to the themes of crime, criminality and the individual offender. Specifically, criminological theories of social process, social structure and social conflict will be explored in conjunction with views on developmental and trait-based perspectives to illuminate the social underpinnings of crime in modern society. Each particular viewpoint will be applied to the understanding of broad categories of criminal behavior and activity, including but not limited to: violent crime, property crimes, public order crimes, organized crime, and white collar offenses. Additionally, the criminal justice system and its component structural and procedural parts will be reviewed to provide the student with an enhanced awareness of the social aspects of criminal behavior and its impact for law-making and enforcement. Prerequisite(s): PY 111 and (SY 201 or SY 222).

CJ 290. Psychology and the Legal System. 3 Hours.
Students will explore the movement of criminal defendants through the legal system in light of various clinical necessities, including but not limited to: Competencies to offer testimony, as well as to be sentenced and excused; jury selection; and the identification and evaluation of criminal suspects. Additionally, emphasis will be placed upon the psychology of victimization. Prerequisite(s): CJ 101 and CJ 225 and PY 111.

CJ 301. Critical Skills. 3 Hours.
This course is intended to introduce and review the basic law enforcement skills of self defense and control. Specifically, students will learn and practice the important elements of establishing control of situations using verbal, nonverbal and physical techniques as complementary intervention options. Strategies to manage the initial encounter will be discussed in regard to proper stance, appropriate social distance, authoritative body language and the use of verbal diffusion. The physical element of encounters will be reviewed and practiced to provide the student with a practical knowledge of techniques including, but not limited to: deflection, strikes and counters, takedowns and ground control of a combative individual. The above skills will be expanded upon to provide the necessary understanding of other control systems such as proper use of handcuffs, baton and chemical products to establish control. The focus on practical skills will be reviewed within the context of the use of force continuum ranging from verbal redirection to deadly force. Prerequisite(s): CJ 101 and CJ 215.

CJ 302. Advanced Critical Skills. 3 Hours.
This course is intended as a continuation of the psychological and physical applications of critical skills (police physical restraint and control). Through a series of steps, the student will reinforce the basics, enhance the flow of technique and finally though situational training strengthen and secure psychological and physical technique to specific calls and events. The focus on practical skills will be reviewed within the context of the use of force continuum ranging from verbal redirection to deadly force. Prerequisite(s): CJ 301.

CJ 305. Motor Vehicle Law. 3 Hours.
This course is intended to introduce and review motor vehicle law as relates to the enforcement of those statutes concerned with moving violations. The student will also be introduced to the principles and procedures of identification and investigation of motor vehicle infractions. Specifically, topics will be presented ranging from vehicle stops and pursuit driving to operating under the influence and traffic-related fatalities, including homicide. Students will gain in in-depth understanding of accident and hit-and-run investigation, as well as an overview of providing testimony in the courtroom. Each aspect of enforcement and investigation will thereby contribute to an appreciation of the complexities of police responsibilities regarding the monitoring and control of traffic movement. Prerequisite(s): PL 200.

CJ 307. Community Policing. 3 Hours.
This course is intended to introduce and review the basic law enforcement principles of community policing strategies in contemporary society. The importance of enhanced law enforcement-community relationships will be discussed in relation to the benefits to the citizenry as well as enhanced relations with community stakeholders such as schools, businesses and religious institutions. Specifically, the student will be expected to gain an appreciation of the police officer as a community member who works collaboratively with private citizens to analyze, evaluate and respond to crime. This focus on cooperative problem-solving will be further explored in regard to how strategic partnerships between law enforcement and the community can positively impact criminal acts, fear of crime and social disorder. Prerequisite(s): CJ 215.

CJ 309. Constitutional Law. 3 Hours.
This course will explore the First, Second, Fourth, Fifth, Sixth, Eighth and Fourteenth Amendments of the Constitution through reading of case law and real life examples. Students will understand the arguments that exist for persons involved in civil and criminal matters from the Constitution. Prerequisite(s): CJ 225.
CJ 310. Mod Penology and Corrections. 3 Hours.
This course offers an in-depth familiarity with the key readings in the history and sociology of incarceration. Topics include: theories of incarceration, sentence determination, with emphasis on the controversy over the federal guidelines, history of our incarceration system, inmate and staff perspectives on incarceration, special category inmates such as mentally ill, rape victims, death row inmates, and juvenile offenders, the death penalty, and the community supervision movement. The course concludes with an examination of the new technologies of incarceration. Prerequisite(s): CJ 101.

CJ 315. Juvenile Justice. 3 Hours.
This course covers the institutional response to the problems of juvenile delinquency, juvenile misconduct and dependent/neglected and abused children. It emphasizes the police, court, and correctional agencies that process young people. In addition, it devotes attention to an understanding of the history of the system, recent legal developments, and an assessment of current proposals for reform. Prerequisite(s): CJ 101.

CJ 330. Ethics in Criminal Justice. 3 Hours.
This course will offer the student an examination of ethical systems as they relate to moral beliefs and professional behavior in law enforcement. Students will discuss how ideology and belief systems, whether liberal, moderate, or conservative affects criminal justice policy making and the day-to-day functioning of criminal justice agencies. As an exercise, students will apply ethical decision-making models to real world scenarios. Additionally, the course will include thirteen objectives that the student will be expected to master extending from a code of ethics for police to major rationales for punishment. Prerequisite(s): CJ 101.

CJ 333. Computer Forensics. 3 Hours.
This course will focus on the investigative use of computer technologies and electronic records. Students will be exposed to "digital evidence" and the valuable information it can provide to investigators. The course will have a two-tier approach. (1) Students will be shown how to extract readily decipherable information from someone's computer such as looking for at their files or their browser history of web sites visited. Even if the information is password protected or has been deleted it might still be recoverable. (2) The course will examine criminals who use computers and the Internet to commit various crimes ranging from trying to lure children into chat rooms or face-to-face meetings to every sort of financial fraud. This course is intended to address a growing need in law enforcement. Prerequisite(s): Major=BS Comp Info Systems or Major=BS Criminal Justice.

CJ 335. Report Writing and Testifying. 3 Hours.
This course is designed to teach students how to write police reports, search warrants and affidavits. Topics studied will include: the SEE method; legal concepts of reasonable articulable suspicion; probable cause to arrest; determination of custody for purposes of Miranda; and testifying effectively in court. Prerequisite(s): CJ 101 and CJ 225 and PL 200.

CJ 337. Interviewing and Interrogation. 3 Hours.
This course will focus on interviewing skills and techniques, both from a practical and legal perspective. Primary attention will be given to what needs to be done to satisfy the legal standards of voluntariness of admissions and confessions. Fifth and Sixth Amendment law will be thoroughly reviewed and discussed. The course will prepare students to conduct effective interrogations, and document the interrogation in a manner that will withstand later legal challenges. Prerequisite(s): CJ 101 and CJ 225 and PL 200.

CJ 341. Investigations. 3 Hours.
This course covers both private and public investigations as well as the practice and application to criminal investigations. It stresses the professionalism and modern investigation tools as it covers established investigation policies, procedures, and techniques for the law enforcement officer. Recent court cases and investigations are integrated throughout the course to update the students on significant happenings throughout the world. Prerequisite(s): CJ 101.

CJ 345. Comparative Criminal Justice. 3 Hours.
This course is intended to introduce and review the basic theoretical, cultural and practical applications of criminal justice systems in other parts of the world. American criminal law and procedure will be discussed to provide a comparative reference point for the variations in systems and practices across differing cultures in other nations. Additionally, the course will provide students with an understanding of the roles of social control mechanisms such as police, judiciary and correctional institutions outside of the U.S. Prerequisite(s): CJ 101 and CJ 225.

CJ 399. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in criminal justice that would not normally be a part of the Husson curriculum. As such the topics will depend of the interests of students and faculty.

CJ 400. Evidence. 3 Hours.
This course will present the basic principles of the law of evidence as expressed in the Federal Rules of Evidence and the Maine Rules of Evidence. The student will develop the ability to read and apply a rule of evidence to specific information and circumstances. An emphasis will be placed on learning how the Federal & Maine Rules of Evidence affect trial preparation, negotiation, and trial. Participatory role play and discussion of hypothetical situations will constitute a significant part of the learning experience. Prerequisite(s): Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Criminal Justice or Major=BS Paralegal or Major=BS English - Prelaw.

CJ 401. Civil Liability in Law Enforcement. 3 Hours.
This course will provide students with a historical overview and current trends in civil litigation against law enforcement as well as describing the varying types of liability that exist under the law. Students will study the defenses to liability claims made against law enforcement. Liability claims will also be examined from the administrator’s point of view including claims of failure to train and failure to supervise. Use of force and section 1983 claims will be examined in detail as the main claims against law enforcement. Prerequisite(s): CJ 101.

CJ 402. Perspectives in Terrorism. 3 Hours.
This course will analyze aspects of historical and current extremism and terrorism which will be related to contemporary domestic and international terrorism issues. The course will cover sophisticated theories developed by analysts around the world to investigate paramilitarism, white supremacy groups, hate groups, religious fundamentalism, and foreign terrorist groups which may pose a threat to United States interests. The special topic analyzed is not a regular course offering of the social sciences department. Since the topic covered in this class differs from year to year, students should seek further information from the instructor before registering regarding the particular topic that will be analyzed. Possible topics to be analyzed include: the ancient roots of terrorism, motivation of terrorists, the current vulnerability of modern democracies, and global jihad.
CJ 403. Domestic Violence Law. 3 Hours.
This course introduces domestic violence law from an interdisciplinary perspective and offers a contemporary view of the criminal justice experience with diverse populations and forms of violence. Topics will include violence perpetrated in a variety of age and gender relationships including: dating violence, sibling abuse, rape and incest, child and elder abuse and neglect, male battering, violence within the lesbian and gay communities, and violence against women. Students will also be expected to master current State of Maine and federal statutes relating to domestic violence. Prerequisite(s): PL 100 or CJ 101.

CJ 404. Cults. 3 Hours.
This course is intended to introduce and explore the structure and psychology of totalistic cultic organizations. Students will examine the key differences between conventional religious movements, splinter sects and cults to better understand the differences among varied faith-based organizations. Cults will be viewed both from historical and contemporary viewpoints in regard to recruiting practices, thought control and personal and social consequences of cult membership, and the unique challenges that such groups pose for law enforcement. Additionally, students will review the clinical precursors which may predispose an individual to cultic persuasion and indoctrination, as well as the psychological consequences of membership. The course will rely heavily upon a detailed case study format which will scrutinize selected cult leaders/groups and allow students to apply theoretical knowledge to particular historical events and figures. Prerequisite(s): PY 332 or PY 232.

CJ 405. Crime & Literature. 3 Hours.
This course is intended to introduce several works of classical and modern literature which have incorporated the use of crime or criminality as a central theme. Students will be required to read from works of short fiction and novels as a means of preparing for discussion and analysis of core elements. Additionally, the various experiences of the individual criminal will be considered in light of those factors which may have an impact on the development of crime as a situational or social phenomenon. Required sources may include, but not remain limited to: Ernest Hemingway, Arthur Miller, William Faulkner and Truman Capote. Prerequisite(s): EH 200.

CJ 406. Victimology. 3 Hours.
This course will focus on the forgotten member of the criminal dyad: the victim. The purpose of this course is to introduce students to these developments and to alert them to ongoing victim-related issues. The goals of the course will include: Introducing the student to the development of the field of victimology; Delineating the conceptual boundaries of victimology; Familiarizing the student with basic concepts and literature within various sub-areas of victimology; Exploring policy developments and practical applications that stem from this concern over victims; and Assessing the progress away from a criminal justice system towards achieving a victim justice system. Prerequisite(s): CJ 235.

CJ 407. Advanced Community Policing. 3 Hours.
In this practicum based course, students will establish partnerships with relevant community members to identify problems related to the incidence of crime and social disorder. Students will engage in a collaborative problem solving exercise which will illustrate the enhanced ability of communities to prevent crime and disorder through cooperative and reciprocal relationships between police and citizens. Prerequisite(s): CJ 307.

CJ 408. Serial Homicide. 3 Hours.
This course is intended to introduce and explore the phenomenon of repetitive, intrinsically motivated homicide utilizing both clinical and law enforcement perspectives. Primary behavioral and crime scene characteristics of both organized and disorganized types of offenders will be reviewed to explain the incidence of serial homicide as a function of motivational factors ranging from sociopathy to severe psychiatric disturbance. The varied typologies and classification systems for serial murderers will be presented as a means of discussing issues ranging from victim selection to law enforcement investigative responsibilities. The course will rely heavily upon a detailed case study format which will scrutinize the crimes of key selected offenders and allow students to apply theoretical knowledge to particular serial perpetrators. Prerequisite(s): PY 332 or PY 232.

CJ 409. Criminal Profiling. 3 Hours.
This course is intended to introduce and review the basic theoretical and practical applications of criminal profiling techniques. Specifically, the student will be introduced to concepts including, but not limited to: the uses of criminal profiling; crime scene evaluation and reconstruction; criminal motivation and offender characteristics; modus operandi and offender signature; psychopathic and sadistic behavior; behavioral aspects of fire-setting; serial offenses, including rape and homicide. Students will explore varied offense behaviors and their psychological underpinnings to develop an understanding of the role of behavioral analysis of evidence in critical investigations. Prerequisite(s): PY 332 or PY 232.

CJ 410. Criminal Justice Internship. 3-9 Hours.
In this experiential course, the student serves as an intern with a criminal justice professional in a work setting. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional, and the internship director. The experience may be multidisciplinary, but should have a strong criminal justice element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): College Level=Junior or College Level=Senior.

CJ 412. Homeland Security. 3 Hours.
This course of study relates principle aspects of terrorism and how it affects our communities. This course compiles information from programs available on the national level that pertain to terrorism and the law enforcement officer’s response to these types of incidents. The instruction is designed to provide the student with an understanding of the key role of first responder in their response to a suspected terrorist incident.

CJ 414. Counterterrorism and Counterinsurgency. 3 Hours.
This course introduces students to the topics of counterterrorism and counterinsurgency. A variety of concepts, theories, and methodologies will be examined in an effort to better understand what drives violent jihadism and global terrorism. Students will learn about policies, strategies, and tactics designed to counter the global threats currently posed during the terror age, and the operational and political risks of government action or inaction.

CJ 415. Corporate Security. 3 Hours.
Security has entered a new era since the events of 9/11 and this course focuses on the impact of these events on Corporate Security. Risk assessment models and proactive strategic planning concepts will be discussed drawing from actual cases. Students will also learn the importance of working from measurable metrics and business needs rather than unproven assumptions.
CJ 416. Global Jihad and Radicalization. 3 Hours.
This course will focus on the rise of radical Islam beginning in the late 20th century with the Mujahdeen in Afghanistan and the Muslim Brotherhood in Egypt, through the 21st century with the emergence of Al Qaeda, Taliban, Boka Haram and ISIS. The course will examine methods, practices and global ambitions of these groups. Additionally attention will be given to the global ambitions for the creation of an Islamic caliphate and its implications for the modern world. The process and dynamics of Islamic fundamentalist radicalization will be explored in terms of how and where it occurs and how it can be prevented. Extensive use will be made of multimedia images of historical and current events.

CJ 420. Leadership in Police Organizations I. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 421. Leadership in Police Organizations II. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 435. Management & Criminal Justice. 3 Hours.
This course examines the application of modern management theory and technique to the criminal justice system. It emphasizes the unique nature of the criminal justice community and the complex relationships, which are necessary to make it efficient and effective. Topics covered include: hiring, developing personnel; managing budgets, dealing with public sector unions; discipline and problem behaviors; complaints and grievances; stress and time management; performance appraisals; deploying human resources; and emerging trends in criminal justice management. Prerequisite(s): CJ 215.

CJ 445. Criminal Justice Capstone. 3 Hours.
This course is designed to synthesize the information and insights from other courses in the Criminal Justice Curriculum. It includes research in crime trends and causes, scholarly research, and an assessment of each student’s knowledge and understanding of the essential elements of the criminal justice system. This Capstone Course will focus on pragmatic application of principles and theories which guide Criminal Justice practice in the United States. Prerequisite(s): CJ 225 and PL 200.

CJ 490. Forensic Psychology. 3 Hours.
This course will introduce and review the basic theoretical and practical applications of forensic psychology in our society. The student will be introduced to concepts in the field that directly impact or influence law enforcement and the judicial system. Concepts will range from the uses of criminal profiling, risk assessment of violent behavior and interrogation to custody, competency and discrimination determinations. Students will gain an in-depth understanding of each core topic as well as an appreciation for how each contributes to the broader domain of the criminal justice system. Prerequisite(s): (PY 332 or PY 232) and (College Level=Junior or College Level=Senior).

CJ 491. Forensic Science I. 4 Hours.
This course builds on the scientific knowledge and analytical skills developed in the prerequisite science courses and laboratory work. The student will apply scientific principles and use current laboratory instrumentation to compare and distinguish between typical forensic evidence items. Students will become familiar with microscope examinations of trace evidence including soil, fibers and hairs, forensic serology and screening, DNA typing, bloodstain pattern analysis and toxicology. Topical discussions and lectures will be supplemented by scheduled field trips and guest speakers from the forensic science community. Prerequisite(s): SC 191 and SC 192 and SL 191 and SL 192 and SC 241 and CJ 221 and CJ 330 and SC 224.

CJ 492. Forensic Science II. 4 Hours.
This course builds on the scientific knowledge and analytical skills developed in the prerequisite science courses, laboratory work and Forensic Science I course. The student will build on their understanding of the properties of organic and inorganic compounds and apply these to analysis of typical forensic science samples. Students will analyze drugs, inks and dyes, explosives, fire debris samples. Forensic document examination, fingerprint development and bullet comparisons will be conducted. Scientific reports will be written for each specific forensic discipline. Topical discussions and lectures will be supplemented by scheduled field trips and guest speakers from the forensic science community. Prerequisite(s): CJ 491.

CJ 493. Forensic Seminar. 4 Hours.
This course is the capstone of the bachelor’s degree in forensic science. The course will draw on the knowledge acquired throughout the previous seven semesters. The course will guide students through correct processing and sequencing of processing of evidence at the crime scene and in the laboratory. Particular attention will be placed on understanding the pros and cons, false negatives and false positives, cross reactions and potential for cross contamination in analyzing and testing evidence items. Students will learn various techniques for describing scientific principles in layman’s terms. The course will finish up with a mock trial at the end of the semester, giving the student the chance to experience direct and cross examination. During the course of the semester the class will sit for the International Association of Identification (IAI) crime scene technician certification. This will give the students the opportunity to acquire international certification and well as earn the degree. Prerequisite(s): SC 103 and SL 103 and SC 241 and SL 241 and CJ 221 and CJ 330 and SC 224 and CJ 491.

CJ 496. Concepts and Issues in CJ. 3 Hours.
This course provides a broad overview and critical examination of criminal justice topics. Commentary on these issues is written by experts in fields such as crime and justice and America, American law enforcement, the court system, juvenile justice, corrections, and the future of justice in America. Students will be required to meet nineteen course objectives and will be expected to read and comprehend a series of essays and subsequently research current events related to the CJ topics. An additional requirement will be student-led class discussion on an assigned topic area over the course of the semester. Prerequisite(s): (College Level=Junior or College Level=Senior) and (Major=BS Criminal Justice or Major=BS Psychology - Crim Justice).

CJ 498. Basic Law Enforcement Training. 15 Hours.
Taught at the Maine Criminal Justice Academy, this 18-week course is designed to qualify a student as a Maine law enforcement officer. The Academy program tests a student’s ability and willingness to assume the complex and challenging responsibilities of a modern law enforcement officer in keeping the peace, protecting state and federal constitutional rights and enforcing the law.
**CJ 499. Topic/. 1-6 Hour.**

This course is intended to provide the opportunity to offer advanced courses in criminal justice that would not normally be a part of the Husson curriculum. As such the topics will depend of the interests of students and faculty. Prerequisite(s): ( College Level=Junior or College Level=Senior).

**CJ 700. Introduction to Criminal Justice Administration. 3 Hours.**

This course provides an analysis and overview of the theories of organization and the administration of criminal justice agencies, including management styles, techniques of leadership, ethics, and decision-making for those students who do not have a previous background in criminal justice.

**CJ 701. Justice Administration and Information Systems. 3 Hours.**

This course will include the examination of contemporary law enforcement organizations and the issues police and other public service managers confront every day. The course will focus on case study analysis as a method of learning the latest management and behavioral theories. The five approaches to management that will be emphasized include: commitment to a common purpose; concern for high-quality public services; empowerment and shared leadership; pragmatic incrementalism; and dedication to public service.

**CJ 702. Perspectives in Terrorism. 3 Hours.**

The students in this course will analyze aspects of historical and current extremism and terrorism which will be related to contemporary domestic and international terrorism issues. The course will cover sophisticated theories developed by analysts around the world to investigate paramilitarism, white supremacy groups, hate groups, religious fundamentalism, and foreign terrorist groups which may pose a threat to United States interests. Among the topics to be analyzed include the ancient roots of terrorism, motivation of terrorists, the current vulnerability of modern democracies, and global jihad.

**CJ 703. Labor and Employment Law. 3 Hours.**

This course reviews the law under the National Labor Relations Act (NLRA). It will focus on unfair labor practices, union representative elections and conflict in the workplace. It includes an emphasis on proper collective bargaining processes, methods of mediation and arbitration to resolve disputes and the duty to bargain in good faith between employers and employees. Students are expected to study the text of the statute, relevant selections from actual cases, and various other materials and apply them to current events and hypothetical situations.

**CJ 705. Leadership & Ethics. 3 Hours.**

This course will provide students with a study of leadership principles and strategies using historical figures as examples. The primary source of effective leadership will be Ernest Shackleton and is 1914 Antarctic expedition. Other historical leaders that will be drawn from include, but are not limited to: George Washington, Abraham Lincoln, and Theodore Roosevelt. Students will focus on leadership decisions made by these individuals and the ethical framework that surrounds every decision. Students will incorporate the leadership and ethical decision making skills into a final project related to their own field of study.

**CJ 707. Public Policy and Planning. 3 Hours.**

Students will examine policy development and planning processes. Topics will include the process and models of policy formation, policy implementation methods and evaluation components typically associated with planned change in criminal justice.

**CJ 709. Advanced Criminological Theories. 3 Hours.**

This course is intended to introduce an advanced sociological perspective as it is applied to the themes of crime, criminality and the individual offender. Specifically, definitions of selected crimes will be explored in conjunction with various perspectives on both causation and response to criminal acts. This analysis will require students to read and discuss the primary writings of those thinkers responsible for the development of landmark classical and contemporary criminological theories.

**CJ 710. Criminal Justice Graduate Internship. 3-6 Hours.**

This course is designed for students who desire to obtain on-the-job experience in the criminal justice profession who have not previously been employed in the internship locale. The nature of the work and the location of the internship must be approved by the student’s advisor. Included in the experience and pre-counseling, on-site supervision, periodic summary and evaluation reporting, supplemental reading, pertinent research or practical work-related projects, and presentation of projects.

**CJ 711. White Collar Crime. 3 Hours.**

This course explores the nature of elite deviance as it relates to crime and power in American society. Various forms of white collar crime will be examined and illustrated through case studies and estimates of the extent and costs of these crimes will be presented. Students will have the opportunity to gain a better understanding of how white collar crime affects employees, consumer and citizens.

**CJ 712. Homeland Security. 3 Hours.**

This course relates principle aspects of terrorism and how it affects our communities. It compiles information from programs available on the national level that pertain to terrorism and the law enforcement officer’s response to these types of incidents. The instruction is designed to provide the student with an understanding of the key role of first responder in their response to a suspected terrorist incident.

**CJ 713. Psychology and the Legal Environment. 3 Hours.**

This course is intended to introduce and review the basic theoretical and practical applications of forensic psychology in our society. Specifically, issues related to the use of psychological research and knowledge in legal environments will be presented to allow the student to appreciate the unique interaction between psychology and the law. Concepts will range from the analysis of competency and insanity to the use of criminal profiling, risk assessments of violent behavior, and psychopathology. Considerable attention will be allotted to an investigation of victimology concerns stemming from sexual assault of children and adults, as well as domestic violence. Students will gain an in-depth understanding of each core topic as well as an appreciation for how each contributes to the broader domain of the legal system.

**CJ 714. Counterterrorism and Counterinsurgency. 3 Hours.**

This course introduces students to the topics of counterterrorism and counterinsurgency. A variety of concepts, theories, and methodologies will be examined in an effort to better understand what drives violent jihadism and global terrorism. Students will learn about policies, strategies, and tactics designed to counter the global threats currently posed during the terror age, and the operational and political risks of government action or inaction.
CJ 715. Corporate Security. 3 Hours.
This course will focus on the impacts on corporate security from the new age that has been entered since 9/11/01. Entirely new risk assessment models and proactive strategic planning concepts will be discussed drawing from actual cases. The important of working from measurable metrics and business needs rather than unproven assumptions will be discussed.

CJ 716. Global Jihad and Radicalization. 3 Hours.
This course will focus on the issue of the rise of radical Islam beginning in the late 20th century with the Mujahedeen in Afghanistan and the Muslim Brotherhood in Egypt, through the 21st century with the emergence of Al Qaeda, Taliban, Boko Haram and ISIS. The course will examine methods, practices, and global ambitions of these groups. Additionally attention will be given to the global ambitions for the creation of an Islamic caliphate and its implications for the modern world. The process and dynamics of Islamic fundamentalist radicalization will be explored in terms of how and where it occurs and how it can be prevented. Extensive use will be made of multimedia images of historical and current events.

CJ 717. Graduate Capstone Course. 3 Hours.
This course focuses on providing students an understanding of the major theories of the public policymaking process, the mechanics of the process, methods of examining policy impacts, and how criminological research can affect policy change as well as be driven by policy. Another goal of this course is to familiarize students with current pressing criminal justice issues and to have the students become sophisticated practitioners and consumers of evaluation research. Students will be expected to reflect critically upon the role of criminological research in the policy making / decision making process. Prerequisite(s): BA 600 and 18 Credits From Range [BA 600 To BA 799].

CJ 720. Leadership in Police Organizations I. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 721. Leadership in Police Organizations II. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 799. Topic/. 3-6 Hours.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in Criminal Justice Administration. This course may consist of seminars, individualized instruction, and/or research related to a specific area of specialization.

PY Courses
PY 111. General Psychology. 3 Hours.
This is a scientifically based introduction to the discipline of psychology. It examines the study of basic patterns of behavior including motivation, learning, emotions, the physiological basis of behavior, human growth and development, personality theory and measurement, and abnormal and deviant behavior.

PY 141. Human Growth and Development. 3 Hours.
This course includes physiological processes of development including conception, prenatal growth, birth, maturation, and aging, provide a framework for examining the cognitive, affective and social development of the individual during his/her life-span. Prerequisite(s): PY 111.

PY 231. Social Psychology. 3 Hours.
This course exposes the student to classic research in the field of social influence and perception. Students are introduced to several concepts that provide understanding of the world in new ways. Prerequisite(s): PY 111.

PY 232. Abnormal Psychology. 3 Hours.
This is a comprehensive course focusing on the better understanding of the field as an area of active inquiry both in clinical practice and in research. A complete presentation of the most important theoretical models along with topics that reflect contemporary interests are examined. Developmental perspectives along with current views of abnormality and current treatment approaches are studied. Prerequisite(s): PY 111 and PY 141.

PY 233. Psychology of Human Sexuality. 3 Hours.
This course examines the historical, behavioral, and psychological dimensions of human sexuality. Topics typically include sexual maturation, gender identity, sexual orientation, development and maintenance of healthy sexual relationships, sexual attitudes, normal sexual behavior, abnormal sexual behavior, sexual dysfunction, sexual trauma, and cross-cultural sexual practices. Prerequisite(s): PY 111 and PY 141.

PY 242. Research Methods. 3 Hours.
In this course students will cover basic topics in research methodology in psychology. They will learn how to develop research questions, identify problems inherent in many research designs, and how to present their findings. They will also cover ethical issues related to research with human beings and animals. Prerequisite(s): PY 111 and (PY 141 or PY 241).

PY 299. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer courses in psychology that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty. Prerequisite(s): PY 111 and (PY 141 or PY 241).

PY 322. Diversity & Multiculturalism. 3 Hours.
This course critically explores an array of cultural forces as well as issues entailed by lifestyle diversity that may help play significant roles in shaping students’ understanding of and approaches to assisting individuals with emotional or psychological difficulties or who are experiencing problem in making adaptive adjustments to life’s many transitions. Prerequisite(s): PY 111 and (PY 141 or PY 241).

PY 333. Psychology of Personality. 3 Hours.
This is a critical review of methods and content in the study of personality. The development of the field, with attention to recent applications of scientific methods to problems of personality, is examined. A survey of major theories of personality is undertaken. Prerequisite(s): PY 111.

PY 335. Intro to Rehabilitation. 3 Hours.
The course will provide a basic foundational study of rehabilitation counseling with a conceptual overview of the professional, historical, theoretical and research foundations, as well as the counseling applications of the rehabilitation profession. Prerequisite(s): PY 241 and (PY 332 or PY 232).
PY 336. Evolutionary Psychology. 3 Hours.
Evolutionary psychology will examine the impact evolutionary theory on the field of psychology. This course links psychology, anthropology, and biology and examines why contemporary humans behave and think the way they do. It examines the proximate and ultimate causes of behavior with an emphasis on function. The course begins with an overview of heredity and evolutionary theory and then discusses research on evolutionary factors that influence human learning, thinking, motivation, and emotion. It also covers the evolutionary explanations for social behavior such as cooperation and competition, and mate-selection and parenting. Prerequisite(s): PY 111 and PY 141.

PY 338. Cognitive Psychology. 3 Hours.
This course provides students with an overview of the theories and research in cognition. The course covers diverse topics such as memory, attention, judgment, decision making, problem solving, language, intelligence, sensation, perception, and sensory integration. In addition, this course integrates concepts from many diverse areas of psychology including biopsychology, learning, development, educational psychology, and sociocultural psychology, as well as other scientific disciplines. Prerequisite(s): PY 111 and PY 141 and PY 242.

PY 340. Physiological Psychology. 3 Hours.
This course examines behavior as viewed by the biological perspective. It is an introduction to and survey of the physiological bases of behavior, including biochemical and neurophysiological determinants of sensation, motor control, sleep, eating and drinking, learning and memory, language and mental disorders. Prerequisite(s): PY 111.

PY 341. Gerontology. 3 Hours.
This course is designed to expose the students to the most relevant and current problems in the field of aging and present a variety of divergent views on the appropriate solutions to these problems. The topics covered include demographic trends, the aging process, longevity, social attitudes toward old age, problems and potentials of aging, retirement, death, living environments in later life and social policies, programs and services for older people. Also, mental and physical health, cognitive and personality development, relationships and sexuality are studied. The key theories on aging and the influence of scientific knowledge, changing world views and historical events on theoretical viewpoints are examined. Prerequisite(s): PY 241 or PY 141.

PY 344. Early Childhood. 3 Hours.
This course is designed to expose students to the interplay among biological, cognitive and social factors in children’s development and examine its multiple determination. Basic research, theoretical models and applications of knowledge in areas such as prenatal environment, heredity and environment, sensation, perception and learning, emotional development, language and communications, intelligence, family, peers, morality, altruism, aggression, gender roles and differences, and technology and television are examined. Prerequisite(s): PY 241 or PY 141.

PY 345. Therapeutic Psychology. 3 Hours.
This course covers an introduction to the principles and techniques to counseling and psychotherapy with attention given to professional identity factors, theoretical and research foundations, counseling applications, current issues in therapeutic practice, and the place and obligations of the psychotherapist in the profession. Prerequisite(s): PY 111 and (PY 332 or PY 232) and (PY 241 or PY 141) and PY 412.

PY 346. Adolescent Psychology. 3 Hours.
This course examines the contextual development of adolescents as they transition through biological, cognitive, and social changes. These contextual transitions include the family, peer groups, schools, and work and leisure. Also, the developmental issues of identity, autonomy, intimacy, sexuality, achievement and psychosocial problems are explored. Prerequisite(s): PY 241 or PY 141.

PY 410. History and Systems of Psychology. 3 Hours.
This course provides students with an overview of the historical trends, influential people, theoretical developments, and empirical findings that are either foundational for the discipline or have shaped the current directions in psychology. Prerequisite(s): PY 111 and PY 141 and PY 333.

PY 411. Psychological Tests and Measurements. 3 Hours.
This course is designed to provide an introduction to the principles of psychological testing. The topics it covers include the definition of psychological testing, the role of testing in evaluation of persons, the types of tests and purposes for which they are applied, principles of test construction including a review of relevant statistical concepts, item selection, standardization, reliability and validity. In addition, this course will consider and examine some major tests used in assessment of personality, intelligence, interests, and neuropsychology and the standards for ethical practice in psychological testing. Prerequisite(s): (MS 111 or MS 141 or MS 180 or MS 181) and MS 132 and (PY 332 or PY 232) and (PY 242 or PY 342).

PY 412. Social Service Field Placement. 3 Hours.
Social Services Practicum in Psychology is designed to provide students experiences in which others are assisted or served. Students select a developmental stage of interest or identified group with a specific need, then participate in an existing program or develop a project that can assist people of this stage or identified population in need. The course content is individualized so that students explore personal and professional interests while participating in a social service project. Student’s experiences are shared during classes so that class members benefit from other’s experiences. Prerequisite(s): PY 345 and (PY 241 or PY 141).

PY 431. Behavior Modification/Seminar in Learning. 3 Hours.
This is an advanced course examining how learning principles influence human behavior. The extension of these principles and concepts emerging from the experimental analysis of behavior to problems of behavior modification in academic, social, and industrial settings is studied. Prerequisite(s): PY 333 and (PY 332 or PY 232).

PY 442. Seminar in Psychology. 3 Hours.
This is a capstone course designed to review the academic work and empirical experiences of psychology majors in the field, but not excluding the incorporation of other academic and collegiate experiences from psychology’s point of view. Additionally, this course provides students the opportunity to explore topics they deem important. The course helps prepare students for program completion and a smooth transition from collegiate to professional life. It also provides a review of the students’ academic experiences and verifies that all of the collegiate co-curricular expectations have been met. Prerequisite(s): College Level=Senior and (Major=BS Psychology - Crim Justice or Major=BS Psychology - General or Major=BS Psychology/Clinical or Major=BS Psychology - MHRT/C Certification or Major=BS Psychology).
PY 447. Trauma and Recovery. 3 Hours.
The theory and methodology of sexual abuse, non-sexual trauma, and the effects of trauma is examined. Awareness of abuse, recognizing the sources of trauma and developing a recovery plan through the use of available resources for prevention and treatment in the State of Maine will also be covered. Prerequisite(s): (PY 141 or PY 241) and (PY 232 or PY 332) and (PY 345 or PY 450).

PY 450. Introduction to Counseling and Psychotherapy. 3 Hours.
This course covers an introduction to the principles and techniques to counseling and psychotherapy with attention given to professional identity factors, theoretical and research foundations, counseling applications, current issues in therapeutic practice, and the place and obligations of the psychotherapist in the profession. Prerequisite(s): (PY 141 or PY 241) and (PY 232 or PY 332).

PY 491. Field Placement. 3 Hours.
Field Placement in Psychology is designed to introduce students to the actual fieldwork in mental health that is related to their career goals. This is a highly individualized class that is structured to meet the individual educational and career related needs of each student. Weekly class meetings will focus on issues relevant to providing mental health services to patients, becoming aware of various systems that support provision of mental health services, and increasing one’s self-awareness in regards to working in mental health systems and providing mental health services. Students must receive approval from their advisor before they can register. Prerequisite(s): (PY 141 or PY 241) and (PY 232 or PY 332).

PY 499. Topic/. 3-3 Hours.
This course is intended to provide the opportunity to offer advanced courses in psychology that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty. Prerequisite(s): PY 111 and ( College Level=Junior or College Level=Senior).

B.S. Criminal Justice/M.S. Criminal Justice Administration

This five year program was established to provide a faster completion of an undergraduate and graduate degree concentrating on crime prevention and on the administration of the criminal justice system. The program stresses an integrated approach to criminal justice emphasizing policy development and analysis, as well as the impact of these policies on individuals and organizations responsible for administering justice in an ethical manner. The program requires students to complete a curriculum requiring 152 semester hours including general education requirements as well as criminal justice, business, and related courses.

The goals of this program include developing skills in:

- Critical thinking
- Writing and oral communication
- Research
- Management
- Ethical public service

Students are expected to maintain a GPA of 3.0 in their undergraduate to take graduate classes. Students must maintain a 3.0 in graduate classes to remain in this program.

The program objectives for the B.S. Criminal Justice and the M.S. Criminal Justice Administration are met with this dual degree.

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BA 211</td>
<td>Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>CM 200</td>
<td>Interpersonal Communication</td>
<td>3</td>
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<tr>
<td>CM 221</td>
<td>Professional Communications</td>
<td>3</td>
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<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
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<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
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<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
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<tr>
<td>HE 111</td>
<td>The Husson Experience</td>
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<tr>
<td>HY 211</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>MI 214</td>
<td>Microcomputer Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
<td>3</td>
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<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
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<tr>
<td>PH 110</td>
<td>Introduction to Ethics</td>
<td>3</td>
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<tr>
<td>PY 111</td>
<td>General Psychology</td>
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<td>PY 232</td>
<td>Abnormal Psychology</td>
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<td>SY 201</td>
<td>Principles of Sociology</td>
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<td>Lab Science Elective</td>
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<td>Fine Arts Elective</td>
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<td>Foreign Cult. &amp; Conv. Elective</td>
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<td>Open Undergrad Elec (5) or MCJA</td>
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Professional Courses

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<th>Course</th>
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<tr>
<td>BA 311</td>
<td>Human Resource Management</td>
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</tr>
<tr>
<td>CJ 101</td>
<td>Intro to Justice &amp; Pub Safety</td>
<td>3</td>
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<tr>
<td>CJ 215</td>
<td>Police Operations</td>
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<tr>
<td>CJ 221</td>
<td>Criminalistics</td>
<td>3</td>
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<td>CJ 225</td>
<td>Criminal Procedure</td>
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<td>CJ 235</td>
<td>Criminology</td>
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<tr>
<td>CJ 309</td>
<td>Constitutional Law</td>
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<td>CJ 310</td>
<td>Mod Penology and Corrections</td>
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<td>CJ 315</td>
<td>Juvenile Justice</td>
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<td>CJ 341</td>
<td>Investigations</td>
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<tr>
<td>CJ 400</td>
<td>Evidence</td>
<td>3</td>
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<tr>
<td>CJ 435</td>
<td>Management &amp; Criminal Justice</td>
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<td>CJ 445</td>
<td>Criminal Justice Capstone</td>
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<td>PL 200</td>
<td>Criminal Law</td>
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<td>CJ Electives 300 or 400 Level (3)</td>
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<td>Co-Curricular activity and community service experience are required</td>
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Graduate Courses

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<tr>
<td>BA 600</td>
<td>Research Methods in Business and Education</td>
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<td>BA 602</td>
<td>Managerial Accounting</td>
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<tr>
<td>BA 605</td>
<td>Management Communications</td>
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<td>CJ 705</td>
<td>Leadership &amp; Ethics</td>
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<td>CJ 717</td>
<td>Graduate Capstone Course</td>
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<td>BA Graduate Business Electives (2)</td>
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<td>CJ Electives 700 Level (4)</td>
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Total Hours | 152
Suggested Course Sequence

First Year

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<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring Hours</th>
<th>Hours</th>
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Second Year

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Third Year

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<td>CJ 310</td>
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Fourth Year

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Fifth Year

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A grade-point average of 3.0 must be achieved in order to enroll in graduate courses in the 7th semester.

* "C" or better in all courses marked

*** Course may not be required for degree completion.

Courses

CJ 101. Intro to Justice & Pub Safety. 3 Hours.
This course introduces students to the social reality of crime, criminal behavior, and law as each of these relates to the criminal justice system. Students examine the role of law enforcement, prosecution, defense, court system, corrections, and juvenile justice at various levels. Students are challenged to expand both their knowledge and appreciation of the criminal justice system through arranged visits to courts, detention facilities and working law enforcement agencies.

CJ 190. The Science of Fingerprints. 3 Hours.
This course will allow students to examine every facet of the discipline, from the history of friction ridge identification and its earliest pioneers and researchers, skin growth in the embryo, structure of skin, scarring and histology, the chemistry of sweat and other secretions, to the scientific basis and the various steps of the identification process.

CJ 215. Police Operations. 3 Hours.
This course deals with everyday problems, situations and operations of the police department and the police officer. Included in the course is the study of many jobs and applications of duty in the police service. The course is a study of the patrol officer’s function, with a background investigation of the total organization. The use of staff deployment, tactical operations, and the use of various equipment are discussed in some detail during the course with an emphasis on how operations and equipment are changing. Prerequisite(s): CJ 101.

CJ 221. Criminalistics. 3 Hours.
This course will focus on the recovery, documentation and laboratory analysis of physical evidence found at the scene of a crime. The course covers the principles of effective crime scene management as well as what information can be obtained from particular pieces of physical evidence as a result of laboratory study. The laboratory analysis of the following will be covered: glass, soil, organic and inorganic substances, hairs, fibers, paint, drugs, poison, arson and explosive evidence, serology, DNA, fingerprints, firearms, tool impressions, miscellaneous impressions, photography, document and voice examinations. Prerequisite(s): CJ 101.

CJ 225. Criminal Procedure. 3 Hours.
This course is designed to teach the background and current information regarding arrest, search and seizure. It explores the development of standards in this field, through constitutional law, state law, concepts and interpretation, limitations of police powers, probable cause, and the suppression hearing.
CJ 235. Criminology. 3 Hours.
This course is intended to introduce and review the sociological perspective as it is applied to the themes of crime, criminality and the individual offender. Specifically, criminological theories of social process, social structure and social conflict will be explored in conjunction with views on developmental and trait-based perspectives to illuminate the social underpinnings of crime in modern society. Each particular viewpoint will be applied to the understanding of broad categories of criminal behavior and activity, including but not limited to: violent crime, property crime, public order crimes, organized crime, and white collar offenses. Additionally, the criminal justice system and its component structural and procedural parts will be reviewed to provide the student with an enhanced awareness of the social aspects of criminal behavior and its impact for law-making and enforcement. Prerequisite(s): PY 111 and (SY 201 or SY 222).

CJ 290. Psychology and the Legal System. 3 Hours.
Students will explore the movement of criminal defendants through the legal system in light of various clinical necessities, including but not limited to: Competencies to offer testimony, as well as to be sentenced and excused; jury selection; and the identification and evaluation of criminal suspects. Additionally, emphasis will be placed upon the psychology of victimization. Prerequisite(s): CJ 101 and CJ 225 and PY 111.

CJ 301. Critical Skills. 3 Hours.
This course is intended to introduce and review the basic law enforcement skills of self defense and control. Specifically, students will learn and practice the important elements of establishing control of situations using verbal, nonverbal and physical techniques as complementary intervention options. Strategies to manage the initial encounter will be discussed in regard to proper stance, appropriate social distance, authoritative body language and the use of verbal diffusion. The physical element of encounters will be reviewed and practiced to provide the student with a practical knowledge of techniques including, but not limited to: deflection, strikes and counters, takedowns and ground control of a combative individual. The above skills will be expanded upon to provide the necessary understanding of other control systems such as proper use of handcuffs, baton and chemical products to establish control. The focus on practical skills will be reviewed within the context of the use of force continuum ranging from verbal redirection to deadly force. Prerequisite(s): CJ 101 and CJ 215.

CJ 302. Advanced Critical Skills. 3 Hours.
This course is intended as a continuation of the psychological and physical applications of critical skills (police physical restraint and control). Through a series of steps, the student will reinforce the basics, enhance the flow of technique and finally though situational training strengthen and secure psychological and physical technique to specific calls and events. The focus on practical skills will be reviewed within the context of the use of force continuum ranging from verbal redirection to deadly force. Prerequisite(s): CJ 301.

CJ 305. Motor Vehicle Law. 3 Hours.
This course is intended to introduce and review motor vehicle law as relates to the enforcement of those statutes concerned with moving violations. The student will also be introduced to the principles and procedures of identification and investigation of motor vehicle infractions. Specifically, topics will be presented ranging from vehicle stops and pursuit driving to operating under the influence and traffic-related fatalities, including homicide. Students will gain in in-depth understanding of accident and hit-and-run investigation, as well as an overview of providing testimony in the courtroom. Each aspect of enforcement and investigation will thereby contribute to an appreciation of the complexities of police responsibilities regarding the monitoring and control of traffic movement. Prerequisite(s): PL 200.

CJ 307. Community Policing. 3 Hours.
This course is intended to introduce and review the basic principles of community policing strategies in contemporary society. The importance of enhanced law enforcement-community relationships will be discussed in relation to the benefits to the citizenry as well as enhanced relations with community stakeholders such as schools, businesses and religious institutions. Specifically, the student will be expected to gain an appreciation of the police officer as a community member who works collaboratively with private citizens to analyze, evaluate and respond to crime. This focus on cooperative problem-solving will be further explored in regard to how strategic partnerships between law enforcement and the community can positively impact criminal acts, fear of crime and social disorder. Prerequisite(s): CJ 215.

CJ 309. Constitutional Law. 3 Hours.
This course will explore the First, Second, Fourth, Fifth, Sixth, Eighth and Fourteenth Amendments of the Constitution through reading of case law and real life examples. Students will understand the arguments that exist for persons involved in civil and criminal matters from the Constitution. Prerequisite(s): CJ 225.

CJ 310. Mod Penology and Corrections. 3 Hours.
This course offers an in-depth familiarity with the key readings in the history and sociology of incarceration. Topics include: theories of incarceration, sentence determination, with emphasis on the controversy over the federal guidelines, history of our incarceration system, inmate and staff perspectives on incarceration, special category inmates such as mentally ill, rape victims, death row inmates, and juvenile offenders, the death penalty, and the community supervision movement. The course concludes with an examination of the new technologies of incarceration. Prerequisite(s): CJ 101.

CJ 315. Juvenile Justice. 3 Hours.
This course covers the institutional response to the problems of juvenile delinquency, juvenile misconduct and dependent/neglected and abused children. It emphasizes the police, court, and correctional agencies that process young people. In addition, it devotes attention to an understanding of the history of the system, recent legal developments, and an assessment of current proposals for reform. Prerequisite(s): CJ 101.

CJ 330. Ethics in Criminal Justice. 3 Hours.
This course will offer the student an examination of ethical systems as they relate to moral beliefs and professional behavior in law enforcement. Students will discuss how ideology and belief systems, whether liberal, moderate, or conservative affects criminal justice policy making and the day-to-day functioning of criminal justice agencies. As an exercise, students will apply ethical decision-making models to real world scenarios. Additionally, the course will include thirteen objectives that the student will be expected to master extending from a code of ethics for police to major rationales for punishment. Prerequisite(s): CJ 101.
CJ 333. Computer Forensics. 3 Hours.
This course will focus on the investigative use of computer technologies and electronic records. Students will be exposed to “digital evidence” and the valuable information it can provide to investigators. The course will have a two-tier approach. (1) Students will be shown how to extract readily decipherable information from someone’s computer such as looking for at their files or their browser history of web sites visited. Even if the information is password protected or has been deleted it might still be recoverable. (2) The course will examine criminals who use computers and the Internet to commit various crimes ranging from trying to lure children into chat rooms or face-to-face meetings to every sort of financial fraud. Prerequisite(s): Major=BS Comp Info Systems or Major=BS Criminal Justice.

CJ 335. Report Writing and Testifying. 3 Hours.
This course is designed to teach students how to write police reports, search warrants and affidavits. Topics studied will include: the SEE method; legal concepts of reasonable articulable suspicion; probable cause to arrest; determination of custody for purposes of Miranda; and testifying effectively in court. Prerequisite(s): CJ 101 and CJ 225 and PL 200.

CJ 337. Interviewing and Interrogation. 3 Hours.
This course will focus on interviewing skills and techniques, both from a practical and legal perspective. Primary attention will be given to what needs to be done to satisfy the legal standards of voluntariness of admissions and confessions. Fifth and Sixth Amendment law will be thoroughly reviewed and discussed. The course will prepare students to conduct effective interrogations, and document the interrogation in a manner that will withstand later legal challenges. Prerequisite(s): CJ 101 and CJ 225 and PL 200.

CJ 341. Investigations. 3 Hours.
This course covers both private and public investigations as well as the practice and application to criminal investigations. It stresses the professionalism and modern investigation tools as it covers established investigation policies, procedures, and techniques for the law enforcement officer. Recent court cases and investigations are integrated throughout the course to update the students on significant happenings throughout the world. Prerequisite(s): CJ 101.

CJ 345. Comparative Criminal Justice. 3 Hours.
This course is intended to introduce and review the basic theoretical, cultural, and practical applications of criminal justice systems in other parts of the world. American criminal law and procedure will be discussed to provide a comparative reference point for the variations in systems and practices across differing cultures in other nations. Additionally, the course will provide students with an understanding of the roles of social control mechanisms such as police, judiciary and correctional institutions outside of the U.S. Prerequisite(s): CJ 101 and CJ 225.

CJ 399. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in criminal justice that would not normally be a part of the Husson curriculum. As such the topics will depend of the interests of students and faculty.

CJ 400. Evidence. 3 Hours.
This course will present the basic principles of the law of evidence as expressed in the Federal Rules of Evidence and the Maine Rules of Evidence. The student will develop the ability to read and apply a rule of evidence to specific information and circumstances. An emphasis will be placed on learning how the Federal & Maine Rules of Evidence effect trial preparation, negotiation, and trial. Participatory role play and discussion of hypothetical situations will constitute a significant part of the learning experience. Prerequisite(s): Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Criminal Justice or Major=BS Paralegal or Major=BS English - Prelaw.

CJ 401. Civil Liability in Law Enforcement. 3 Hours.
This course will provide students with a historical overview and current trends in civil litigation against law enforcement as well as describing the varying types of liability that exist under the law. Students will study the defenses to liability claims made against law enforcement. Liability claims will also be examined from the administrator’s point of view including claims of failure to train and failure to supervise. Use of force and section 1983 claims will be examined in detail as the main claims against law enforcement. Prerequisite(s): CJ 101.

CJ 402. Perspectives in Terrorism. 3 Hours.
This course will analyze aspects of historical and current extremism and terrorism which will be related to contemporary domestic and international terrorism issues. The course will cover sophisticated theories developed by analysts around the world to investigate paramilitarism, white supremacy groups, hate groups, religious fundamentalism, and foreign terrorist groups which may pose a threat to United States interests. The special topic analyzed is not a regular course offering of the social sciences department. Since the topic covered in this class differs from year to year, students should seek further information from the instructor before registering regarding the particular topic that will be analyzed. Possible topics to be analyzed include: the ancient roots of terrorism, motivation of terrorists, the current vulnerability of modern democracies, and global jihad.

CJ 403. Domestic Violence Law. 3 Hours.
This course introduces domestic violence law from an interdisciplinary perspective and offers a contemporary view of the criminal justice experience with diverse populations and forms of violence. Topics will include violence perpetrated in a variety of age and gender relationships including: dating violence, sibling abuse, rape and incest, child and elder abuse and neglect, male battering, violence within the lesbian and gay communities, and violence against women. Students will also be expected to master current State of Maine and federal statutes relating to domestic violence. Prerequisite(s): PL 100 or CJ 101.

CJ 404. Cults. 3 Hours.
This course is intended to introduce and explore the structure and psychology of totalistic cultic organizations. Students will examine the key differences between conventional religious movements, splinter sects and cults to better understand the differences among varied faith-based organizations. Cults will be viewed both from historical and contemporary viewpoints in regard to recruiting practices, thought reform and control, personal and social consequences of cult membership, and the unique challenges that such groups pose for law enforcement. Additionally, students will review the clinical precursors which may predispose an individual to cultic persuasion and indoctrination, as well as the psychological consequences of membership. The course will rely heavily upon a detailed case study format which will scrutinize selected cult leaders/groups and allow students to apply theoretical knowledge to particular historical events and figures. Prerequisite(s): PY 332 or PY 232.
CJ 405. Crime & Literature. 3 Hours.
This course is intended to introduce several works of classical and modern literature which have incorporated the use of crime or criminality as a central theme. Students will be required to read from works of short fiction and novels as means of preparing for discussion and analysis of core elements. Additionally, the various experiences of the individual criminal will be considered in light of those factors which may have an impact on the development of crime as a situational or social phenomenon. Required sources may include, but not remain limited to: Ernest Hemingway, Arthur Miller, William Faulkner and Truman Capote. Prerequisite(s): EH 200.

CJ 406. Victimization. 3 Hours.
This course will focus on the forgotten member of the criminal dyad: the victim. The purpose of this course is to introduce students to these developments and to alert them to ongoing victim-related issues. The goals of the course will include: Introducing the student to the development of the field of victimology; Delineating the conceptual boundaries of victimology; Familiarizing the student with basic concepts and literature within various sub-areas of victimology; Exploring policy developments and practical applications that stem from this concern over victims; and Assessing the progress away from a criminal justice system towards achieving a victim justice system. Prerequisite(s): CJ 235.

CJ 407. Advanced Community Policing. 3 Hours.
In this practicum based course, students will establish partnerships with relevant community members to identify problems related to the incidence of crime and social disorder. Students will engage in a collaborative problem solving exercise which will illustrate the enhanced ability of communities to prevent crime and disorder through cooperative and reciprocal relationships between police and citizens. Prerequisite(s): CJ 307.

CJ 408. Serial Homicide. 3 Hours.
This course is intended to introduce and explore the phenomenon of repetitive, intrinsically motivated homicide utilizing both clinical and law enforcement perspectives. Primary behavioral and crime scene characteristics of both organized and disorganized types of offenders will be reviewed to explain the incidence of serial homicide as a function of motivational factors ranging from sociopathy to severe psychiatric disturbance. The varied typologies and classification systems for serial murderers will be presented as a means of discussing issues ranging from victim selection to law enforcement investigative responsibilities. The course will rely heavily upon a detailed case study format which will scrutinize the crimes of key selected offenders and allow students to apply theoretical knowledge to particular serial perpetrators. Prerequisite(s): PY 332 or PY 232.

CJ 409. Criminal Profiling. 3 Hours.
This course is intended to introduce and review the basic theoretical and practical applications of criminal profiling techniques. Specifically, the student will be introduced to concepts including, but not limited to: the uses of criminal profiling; crime scene evaluation and reconstruction; criminal motivation and offender characteristics; modus operandi and offender signature; psychopathic and sadistic behavior; behavioral aspects of fire-setting; serial offenses, including rape and homicide. Students will explore varied offense behaviors and their psychological underpinnings to develop an understanding of the role of behavioral analysis of evidence in critical investigations. Prerequisite(s): PY 332 or PY 232.

CJ 410. Criminal Justice Internship. 3-9 Hours.
In this experiential course, the student serves as an intern with a criminal justice professional in a work setting. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional, and the internship director. The experience may be multidisciplinary, but should have a strong criminal justice element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): College Level=Junior or College Level=Senior.

CJ 412. Homeland Security. 3 Hours.
This course of study relates principle aspects of terrorism and how it affects our communities. This course compiles information from programs available on the national level that pertain to terrorism and the law enforcement officer's response to these types of incidents. The instruction is designed to provide the student with an understanding of the key role of first responder in their response to a suspected terrorist incident.

CJ 414. Counterterrorism and Counterinsurgency. 3 Hours.
This course introduces students to the topics of counterterrorism and counterinsurgency. A variety of concepts, theories, and methodologies will be examined in an effort to better understand what drives violent jihadism and global terrorism. Students will learn about policies, strategies, and tactics designed to counter the global threats currently posed during the terror age, and the operational and political risks of government action or inaction.

CJ 415. Corporate Security. 3 Hours.
Security has entered a new era since the events of 9/11 and this course focuses on the impact of these events on Corporate Security. Risk assessment models and proactive strategic planning concepts will be discussed drawing from actual cases. Students will also learn the importance of working from measurable metrics and business needs rather than unproven assumptions.

CJ 416. Global Jihad and Radicalization. 3 Hours.
This course will focus on the rise of radical Islam beginning in the late 20th century with the Mujahideen in Afghanistan and the Muslim Brotherhood in Egypt, through the 21st century with the emergence of Al Qaeda, Taliban, Boko Haram and ISIS. The course will examine methods, practices and global ambitions of these groups. Additionally attention will be given to the global ambitions for the creation of an Islamic caliphate and its implications for the modern world. The process and dynamics of Islamic fundamentalist radicalization will be explored in terms of how and where it occurs and how it can be prevented. Extensive use will be made of multimedia images of historical and current events.

CJ 420. Leadership in Police Organizations I. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 421. Leadership in Police Organizations II. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.
CJ 435. Management & Criminal Justice. 3 Hours.
This course examines the application of modern management theory and technique to the criminal justice system. It emphasizes the unique nature of the criminal justice community and the complex relationships, which are necessary to make it efficient and effective. Topics covered include: hiring, developing personnel; managing budgets, dealing with public sector unions; discipline and problem behaviors; complaints and grievances; stress and time management; performance appraisals; deploying human resources; and emerging trends in criminal justice management. Prerequisite(s): CJ 215.

CJ 445. Criminal Justice Capstone. 3 Hours.
This course is designed to synthesize the information and insights from other courses in the Criminal Justice Curriculum. It includes research in crime trends and causes, scholarly research, and an assessment of each student's knowledge and understanding of the essential elements of the criminal justice system. This Capstone Course will focus on pragmatic application of principles and theories which guide Criminal Justice practice in the United States. Prerequisite(s): CJ 225 and PL 200.

CJ 490. Forensic Psychology. 3 Hours.
This course will introduce and review the basic theoretical and practical applications of forensic psychology in our society. The student will be introduced to concepts in the field that directly impact or influence law enforcement and the judicial system. Concepts will range from the uses of criminal profiling, risk assessment of violent behavior and interrogation to custody, competency and discrimination determinations. Students will gain an in-depth understanding of each core topic as well as an appreciation for how each contributes to the broader domain of the criminal justice system. Prerequisite(s): (PY 332 or PY 232) and (College Level=Junior or College Level=Senior).

CJ 491. Forensic Science I. 4 Hours.
This course builds on the scientific knowledge and analytical skills developed in the prerequisite science courses and laboratory work. The student will apply scientific principles and use current laboratory instrumentation to compare and distinguish between typical forensic evidence items. Students will become familiar with microscope examinations of trace evidence including soil, fibers and hairs, forensic serology and screening, DNA typing, bloodstain pattern analysis and toxicology. Topical discussions and lectures will be supplemented by scheduled field trips and guest speakers from the forensic science community. Prerequisite(s): SC 191 and SC 192 and SL 191 and SL 192 and SC 241 and CJ 221 and CJ 330 and SC 224.

CJ 492. Forensic Science II. 4 Hours.
This course builds on the scientific knowledge and analytical skills developed in the prerequisite science courses, laboratory work and Forensic Science I course. The student will build on their understanding of the properties of organic and inorganic compounds and apply these to analysis of typical forensic science samples. Students will analyze drugs, inks and dyes, explosives, fire debris samples. Forensic document examination, fingerprint development and bullet comparisons will be conducted. Scientific reports will be written for each specific forensic discipline. Topical discussions and lectures will be supplemented by scheduled field trips and guest speakers from the forensic science community. Prerequisite(s): CJ 491.

CJ 493. Forensic Seminar. 4 Hours.
This course is the capstone of the bachelor’s degree in forensic science. The course will draw on the knowledge acquired throughout the previous seven semesters. The course will guide students through correct processing and sequencing of processing of evidence at the crime scene and in the laboratory. Particular attention will be placed on understanding the pros and cons, false negatives and false positives, cross reactions and potential for cross contamination in analyzing and testing evidence items. Students will learn various techniques for describing scientific principles in layman’s terms. The course will finish up with a mock trial at the end of the semester, giving the student the chance to experience direct and cross examination. During the course of the semester the class will sit for the International Association of Identification (IAI) crime scene technician certification. This will give the students the opportunity to acquire international certification and well as earn the degree. Prerequisite(s): SC 103 and SL 103 and SC 241 and SL 241 and CJ 221 and CJ 330 and SC 224 and CJ 491.

CJ 496. Concepts and Issues in CJ. 3 Hours.
This course provides a broad overview and critical examination of criminal justice topics. Commentary on these issues is written by experts in fields such as crime and justice and America, American law enforcement, the court system, juvenile justice, corrections, and the future of justice in America. Students will be required to meet nineteen course objectives and will be expected to read and comprehend a series of essays and subsequently research current events related to the CJ topics. An additional requirement will be student-led class discussion on an assigned topic area over the course of the semester. Prerequisite(s): (College Level=Junior or College Level=Senior) and (Major=BS Criminal Justice or Major=BS Psychology - Crim Justice).

CJ 498. Basic Law Enforcement Training. 15 Hours.
Taught at the Maine Criminal Justice Academy, this 18-week course is designed to qualify a student as a Maine law enforcement officer. The Academy program tests a student’s ability and willingness to assume the complex and challenging responsibilities of a modern law enforcement officer in keeping the peace, protecting state and federal constitutional rights and enforcing the law.

CJ 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in criminal justice that would not normally be a part of the Husson curriculum. As such the topics will depend of the interests of students and faculty. Prerequisite(s): (College Level=Junior or College Level=Senior).

CJ 700. Introduction to Criminal Justice Administration. 3 Hours.
This course provides an analysis and overview of the theories of organization and the administration of criminal justice agencies, including management styles, techniques of leadership, ethics, and decision-making for those students who do not have a previous background in criminal justice.

CJ 701. Justice Administration and Information Systems. 3 Hours.
This course will include the examination of contemporary law enforcement organizations and the issues police and other public service managers confront every day. The course will focus on case study analysis as a method of learning the latest management and behavioral theories. The five approaches to management that will be emphasized include: commitment to a common purpose; concern for high-quality public services; empowerment and shared leadership; pragmatic incrementalism; and dedication to public service.
CJ 702. Perspectives in Terrorism. 3 Hours.
The students in this course will analyze aspects of historical and current extremism and terrorism which will be related to contemporary domestic and international terrorism issues. The course will cover sophisticated theories developed by analysts around the world to investigate paramilitarism, white supremacy groups, hate groups, religious fundamentalism, and foreign terrorist groups which may pose a threat to United States interests. Among the topics to be analyzed include the ancient roots of terrorism, motivation of terrorists, the current vulnerability of modern democracies, and global jihad.

CJ 703. Labor and Employment Law. 3 Hours.
This course reviews the law under the National Labor Relations Act (NLRA). It will focus on unfair labor practices, union representative elections and conflict in the workplace. It includes an emphasis on proper collective bargaining processes, methods of mediation and arbitration to resolve disputes and the duty to bargain in good faith between employers and employees. Students are expected to study the text of the statute, relevant selections from actual cases, and various other materials and apply them to current events and hypothetical situations.

CJ 705. Leadership & Ethics. 3 Hours.
This course will provide students with a study of leadership principles and strategies using historical figures as examples. The primary source of effective leadership will be Ernest Shackleton and is 1914 Antarctic expedition. Other historical leaders that will be drawn from include, but are not limited to: George Washington, Abraham Lincoln, and Theodore Roosevelt. Students will focus on leadership decisions made by these individuals and the ethical framework that surrounds every decision. Students will incorporate the leadership and ethical decision making skills into a final project related to their own field of study.

CJ 707. Public Policy and Planning. 3 Hours.
Students will examine policy development and planning processes. Topics will include the process and models of policy formation, policy implementation methods and evaluation components typically associated with planned change in criminal justice.

CJ 709. Advanced Criminological Theories. 3 Hours.
This course is intended to introduce an advanced sociological perspective as it is applied to the themes of crime, criminality and the individual offender. Specifically, definitions of selected crimes will be explored in conjunction with various perspectives on both causation and response to criminal acts. This analysis will require students to read and discuss the primary writings of those thinkers responsible for the development of landmark classical and contemporary criminological theories.

CJ 710. Criminal Justice Graduate Internship. 3-6 Hours.
This course is designed for students who desire to obtain on-the-job experience in the criminal justice profession who have not previously been employed in the internship locale. The nature of the work and the location of the internship must be approved by the student's advisor. Included in the experience and pre-counseling, on-site supervision, periodic summary and evaluation reporting, supplemental reading, pertinent research or practical work-related projects, and presentation of projects.

CJ 711. White Collar Crime. 3 Hours.
This course explores the nature of elite deviance as it relates to crime and power in American society. Various forms of white collar crime will be examined and illustrated through case studies and estimates of the extent and costs of these crimes will be presented. Students will have the opportunity to gain a better understanding of how white collar crime affects employees, consumer and citizens.

CJ 712. Homeland Security. 3 Hours.
This course relates principle aspects of terrorism and how it affects our communities. It compiles information from programs available on the national level that pertain to terrorism and the law enforcement officer's response to these types of incidents. The instruction is designed to provide the student with an understanding of the key role of first responder in their response to a suspected terrorist incident.

CJ 713. Psychology and the Legal Environment. 3 Hours.
This course is intended to introduce and review the basic theoretical and practical applications of forensic psychology in our society. Specifically, issues related to the use of psychological research and knowledge in legal environments will be presented to allow the student to appreciate the unique interaction between psychology and the law. Concepts will range from the analysis of competency and insanity to the use of criminal profiling, risk assessments of violent behavior, and psychopathology. Considerable attention will be allotted to an investigation of victimology concerns stemming from sexual assault of children and adults, as well as domestic violence. Students will gain an in-depth understanding of each core topic as well as an appreciation for how each contributes to the broader domain of the legal system.

CJ 714. Counterterrorism and Counterinsurgency. 3 Hours.
This course introduces students to the topics of counterterrorism and counterinsurgency. A variety of concepts, theories, and methodologies will be examined in an effort to better understand what drives violent jihadism and global terrorism. Students will learn about policies, strategies, and tactics designed to counter the global threats currently posed during the terror age, and the operational and political risks of government action or inaction.

CJ 715. Corporate Security. 3 Hours.
This course will focus on the impacts on corporate security from the new age that has been entered since 9/11/01. Entirely new risk assessment models and proactive strategic planning concepts will be discussed drawing from actual cases. The important of working from measurable metrics and business needs rather than unproven assumptions will be discussed.

CJ 716. Global Jihad and Radicalization. 3 Hours.
This course will focus on the issue of the rise of radical Islam beginning in the late 20th century with the Mujahedeen in Afghanistan and the Muslim Brotherhood in Egypt, through the 21st century with the emergence of Al Qaeda, Taliban, Boka Haram and ISIS. The course will examine methods, practices, and global ambitions of these groups. Additionally attention will be given to the global ambitions for the creation of an Islamic caliphate and its implications for the modern world. The process and dynamics of Islamic fundamentalist radicalization will be explored in terms of how and where it occurs and how it can be prevented. Extensive use will be made of multimedia images of historical and current events.

CJ 717. Graduate Capstone Course. 3 Hours.
This course focuses on providing students an understanding of the major theories of the public policymaking process, the mechanics of the process, methods of examining policy impacts, and how criminological research can affect policy change as well as be driven by policy. Another goal of this course is to familiarize students with current pressing criminal justice issues and to have the students become sophisticated practitioners and consumers of evaluation research. Students will be expected to reflect critically upon the role of criminological research in the policy making / decision making process. Prerequisite(s): BA 600 and 18 Credits From Range [BA 600 To BA 799].
CJ 720. Leadership in Police Organizations I. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 721. Leadership in Police Organizations II. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 799. Topic/. 3-6 Hours.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in Criminal Justice Administration. This course may consist of seminars, individualized instruction, and/or research related to a specific area of specialization.

A.S. Criminal Justice
Associate of Science in Criminal Justice
Students are expected to complete 61 credit hours of course work and related activity in the Associate of Science program. This program emphasizes professional courses and provides some basic training in microcomputing, writing, communication and math. Students in this program may be eligible to attend the Maine Criminal Justice Academy’s Pre-Service Training Program (http://www.maine.gov/dps/mcja/training/preservice) if they meet the requirements to certify them to apply for part-time law enforcement officer work in the State of Maine, and receive six college credits as well. After students complete their first year, they are also eligible to do internships in law enforcement agencies, offices and businesses for hands-on experiential learning in the field. This program will prepare graduates for entry level positions in the profession.

The program objectives for the A.S. Criminal Justice are:

- To have the percent of graduating seniors exceeding the mean of the ETS test be larger than the national average where the following key concepts are tested:
  - Theories of Criminal Behavior
  - The Law
  - Corrections
  - The Court System
  - Critical Thinking
  - Research Methodology and Statistics

- To demonstrate excellent or outstanding understanding of the key concepts of Criminal Justice:
  - Administration of Justice
  - Law Enforcement
  - Law Adjudication
  - Corrections
  - Criminological Theory
  - Research and Analytical Methods

- To apply ethical decision-making skills and integrity in an ever changing global environment.

- To produce and present effective oral and written forms of communication.

The following classes must be completed for this program of study:

General Education Courses
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CM 221</td>
<td>Professional Communications</td>
<td>3</td>
</tr>
<tr>
<td>CJ 309</td>
<td>Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
</tr>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
</tr>
<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
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</tr>
<tr>
<td>HE 111</td>
<td>The Husson Experience</td>
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<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
<td>3</td>
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<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
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</tr>
<tr>
<td>PH 110</td>
<td>Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PY 111</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SY 201</td>
<td>Principles of Sociology</td>
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Professional Courses

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>CJ 101*</td>
<td>Intro to Justice &amp; Pub Safety*</td>
<td>3</td>
</tr>
<tr>
<td>CJ 215</td>
<td>Police Operations*</td>
<td>3</td>
</tr>
<tr>
<td>CJ 221</td>
<td>Criminalistics</td>
<td>3</td>
</tr>
<tr>
<td>CJ 225</td>
<td>Criminal Procedure*</td>
<td>3</td>
</tr>
<tr>
<td>CJ 235</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>MI 214</td>
<td>Microcomputer Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td>CJ 341</td>
<td>Investigations</td>
<td>3</td>
</tr>
<tr>
<td>PL 200</td>
<td>Criminal Law*</td>
<td>3</td>
</tr>
<tr>
<td>CJ</td>
<td>Elective 300 or 400 Level Course</td>
<td>3</td>
</tr>
<tr>
<td>Open Elective</td>
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Total Hours: 62

Suggested Course Sequence

First Year

<table>
<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CJ 101*</td>
<td></td>
<td>3</td>
<td>CJ 225*</td>
<td>3</td>
</tr>
<tr>
<td>EH 123*</td>
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<td>EH 124*</td>
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<td>HE 111***</td>
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<td>MS 132</td>
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Second Year

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<th>Fall</th>
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<th>Spring</th>
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<tbody>
<tr>
<td>CJ 235*</td>
<td></td>
<td>3</td>
<td>CJ 221</td>
<td>3</td>
</tr>
<tr>
<td>CM 221</td>
<td></td>
<td>3</td>
<td>CJ 341</td>
<td>3</td>
</tr>
<tr>
<td>EH 200*</td>
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<td>MI 214</td>
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<tr>
<td>MS 141</td>
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<td>4</td>
<td>CJ Elective 300/400 Level</td>
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</tr>
<tr>
<td>CJ 215</td>
<td></td>
<td>3</td>
<td>Open Elective</td>
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</tr>
</tbody>
</table>
Certificate in Counter Terrorism and Security

The 21st century ushered in a new era of global terrorism launched by the attacks on 9/11. Intermittent events of terrorism around the world remind us that the threat persists and continues to grow. At the root of global terrorism is a radical strain of Islamic fundamentalism that finds adherents from Saharan/sub Saharan Africa across the Middle East through Central and west/east Asia as well as Europe and North America. This global jihadist movement challenges governments and multinational organizations to maintain their traditional openness and freedoms of operation while installing security procedures and systems to counter this terrorist threat. This certificate is designed provide a foundational understanding of this threat for law enforcement, military, and corporate security officers who act as the first line of defense against terrorist acts. This on-line and hybrid certificate program is also intended for participants interested in a career in homeland security at federal, state and local levels in counter terrorism agencies. This certificate will be offered at both the undergraduate and graduate levels. Credits from this undergraduate certificate can be applied to an A.S. or B.S. Criminal Justice degree.

CJ 309

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CJ 402</td>
<td>Perspectives in Terrorism</td>
<td>3</td>
</tr>
<tr>
<td>CJ 412</td>
<td>Homeland Security</td>
<td>3</td>
</tr>
<tr>
<td>CJ 414</td>
<td>Counterterrorism and Counterinsurgency</td>
<td>3</td>
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<tr>
<td>CJ 415</td>
<td>Corporate Security</td>
<td>3</td>
</tr>
<tr>
<td>CJ 416</td>
<td>Global Jihad and Radicalization (n)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 19

CJ 225. Criminal Procedure. 3 Hours.
This course is designed to teach the background and current information regarding arrest, search and seizure. It explores the development of standards in this field, through constitutional law, state law, concepts and interpretation, limitations of police powers, probable cause, and the suppression hearing.

CJ 235. Criminology. 3 Hours.
This course is intended to introduce and review the sociological perspective as it is applied to the themes of crime, criminality and the individual offender. Specifically, criminological theories of social process, social structure and social conflict will be explored in conjunction with views on developmental and trait-based perspectives to illuminate the social underpinnings of crime in modern society. Each particular viewpoint will be applied to the understanding of broad categories of criminal behavior and activity, including but not limited to: violent crime, property crime, public order crimes, organized crime, and white collar offenses. Additionally, the criminal justice system and its component structural and procedural parts will be reviewed to provide the student with an enhanced awareness of the social aspects of criminal behavior and its impact for law-making and enforcement. Prerequisite(s): PY 111 and (SY 201 or SY 222).

CJ 290. Psychology and the Legal System. 3 Hours.
Students will explore the movement of criminal defendants through the legal system in light of various clinical necessities, including but not limited to: Competencies to offer testimony, as well as to be sentenced and excused; jury selection; and the identification and evaluation of criminal suspects. Additionally, emphasis will be placed upon the psychology of victimization. Prerequisite(s): CJ 101 and CJ 225 and PY 111.
CJ 301. Critical Skills. 3 Hours.
This course is intended to introduce and review the basic law enforcement skills of self defense and control. Specifically, students will learn and practice the important elements of establishing control of situations using verbal, nonverbal and physical techniques as complementary intervention options. Strategies to manage the initial encounter will be discussed in regard to proper stance, appropriate social distance, authoritative body language and the use of verbal diffusion. The physical element of encounters will be reviewed and practiced to provide the student with a practical knowledge of techniques including, but not limited to: deflection, strikes and counters, takedowns and ground control of a combative individual. The above skills will be expanded upon to provide the necessary understanding of other control systems such as proper use of handcuffs, baton and chemical products to establish control. The focus on practical skills will be reviewed within the context of the use of force continuum ranging from verbal redirection to deadly force. Prerequisite(s): CJ 101 and CJ 215.

CJ 302. Advanced Critical Skills. 3 Hours.
This course is intended as a continuation of the psychological and physical applications of critical skills (police physical restraint and control). Through a series of steps, the student will reinforce the basics, enhance the flow of technique and finally though situational training strengthen and secure psychological and physical technique to specific calls and events. The focus on practical skills will be reviewed within the context of the use of force continuum ranging from verbal redirection to deadly force. Prerequisite(s): CJ 301.

CJ 305. Motor Vehicle Law. 3 Hours.
This course is intended to introduce and review motor vehicle law as relates to the enforcement of those statutes concerned with moving violations. The student will also be introduced to the principles and procedures of identification and investigation of motor vehicle infractions. Specifically, topics will be presented ranging from vehicle stops and pursuit driving to operating under the influence and traffic-related fatalities, including homicide. Students will gain in-depth understanding of accident and hit-and-run investigation, as well as an overview of providing testimony in the courtroom. Each aspect of enforcement and investigation will thereby contribute to an appreciation of the complexities of police responsibilities regarding the monitoring and control of traffic movement. Prerequisite(s): CJ 301.

CJ 307. Community Policing. 3 Hours.
This course is intended to introduce and review the basic principles of community policing strategies in contemporary society. The importance of enhanced law enforcement-community relationships will be discussed in relation to the benefits to the citizenry as well as enhanced relations with community stakeholders such as schools, businesses and religious institutions. Specifically, the student will be expected to gain an appreciation of the police officer as a community member who works collaboratively with private citizens to analyze, evaluate and respond to crime. This focus on cooperative problem-solving will be further explored in regard to how strategic partnerships between law enforcement and the community can positively impact criminal acts, fear of crime and social disorder. Prerequisite(s): CJ 215.

CJ 309. Constitutional Law. 3 Hours.
This course will explore the First, Second, Fourth, Fifth, Sixth, Eighth and Fourteenth Amendments of the Constitution through reading of case law and real life examples. Students will understand the arguments that exist for persons involved in civil and criminal matters from the Constitution. Prerequisite(s): CJ 225.

CJ 310. Mod Penology and Corrections. 3 Hours.
This course offers an in-depth familiarity with the key readings in the history and sociology of incarceration. Topics include: theories of incarceration, sentence determination, with emphasis on the controversy over the federal guidelines, history of our incarceration system, inmate and staff perspectives on incarceration, special category inmates such as mentally ill, rape victims, death row inmates, and juvenile offenders, the death penalty, and the community supervision movement. The course concludes with an examination of the new technologies of incarceration. Prerequisite(s): CJ 101.

CJ 315. Juvenile Justice. 3 Hours.
This course covers the institutional response to the problems of juvenile delinquency, juvenile misconduct and dependent/neglected and abused children. It emphasizes the police, court, and correctional agencies that process young people. In addition, it devotes attention to an understanding of the history of the system, recent legal developments, and an assessment of current proposals for reform. Prerequisite(s): CJ 101.

CJ 330. Ethics in Criminal Justice. 3 Hours.
This course will offer the student an examination of ethical systems as they relate to moral beliefs and professional behavior in law enforcement. Students will discuss how ideology and belief systems, whether liberal, moderate, or conservative affects criminal justice policy making and the day-to-day functioning of criminal justice agencies. As an exercise, students will apply ethical decision-making models to real world scenarios. Additionally, the course will include thirteen objectives that the student will be expected to master extending from a code of ethics for police to major rationales for punishment. Prerequisite(s): CJ 101.

CJ 333. Computer Forensics. 3 Hours.
This course will focus on the investigative use of computer technologies and electronic records. Students will be exposed to “digital evidence” and the valuable information it can provide to investigators. The course will have a two-tier approach. (1) Students will be shown how to extract readily decipherable information from someone’s computer such as looking for at their files or their browser history of web sites visited. Even if the information is password protected or has been deleted it might still be recoverable. (2) The course will examine criminals who use computers and the Internet to commit various crimes ranging from trying to lure children into chat rooms or face-to-face meetings to every sort of financial fraud. This course is intended to address a growing need in law enforcement. Prerequisite(s): Major=BS Comp Info Systems or Major=BS Criminal Justice.

CJ 335. Report Writing and Testifying. 3 Hours.
This course is designed to teach students how to write police reports, search warrants and affidavits. Topics studied will include: the SEE method; legal concepts of reasonable articulable suspicion; probable cause to arrest; determination of custody for purposes of Miranda; and testifying effectively in court. Prerequisite(s): CJ 101 and CJ 225 and PL 200.

CJ 337. Interviewing and Interrogation. 3 Hours.
This course will focus on interviewing skills and techniques, both from a practical and legal perspective. Primary attention will be given to what needs to be done to satisfy the legal standards of voluntariness of admissions and confessions. Fifth and Sixth Amendment law will be thoroughly reviewed and discussed. The course will prepare students to conduct effective interrogations, and document the interrogation in a manner that will withstand later legal challenges. Prerequisite(s): CJ 101 and CJ 225 and PL 200.
CJ 341. Investigations. 3 Hours.
This course covers both private and public investigations as well as the practice and application to criminal investigations. It stresses the professionalism and modern investigation tools as it covers established investigation policies, procedures, and techniques for the law enforcement officer. Recent court cases and investigations are integrated throughout the course to update the students on significant happenings throughout the world. Prerequisite(s): CJ 101.

CJ 345. Comparative Criminal Justice. 3 Hours.
This course is intended to introduce and review the basic theoretical, cultural and practical applications of criminal justice systems in other parts of the world. American criminal law and procedure will be discussed to provide a comparative reference point for the variations in systems and practices across differing cultures in other nations. Additionally, the course will provide students with an understanding of the roles of social control mechanisms such as police, judiciary and correctional institutions outside of the U.S. Prerequisite(s): CJ 101 and CJ 225.

CJ 399. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in criminal justice that would not normally be a part of the Husson curriculum. As such the topics will depend of the interests of students and faculty.

CJ 400. Evidence. 3 Hours.
This course will present the basic principles of the law of evidence as expressed in the Federal Rules of Evidence and the Maine Rules of Evidence. The student will develop the ability to read and apply a rule of evidence to specific information and circumstances. An emphasis will be placed on learning how the Federal & Maine Rules of Evidence affect trial preparation, negotiation, and trial. Participatory role play and discussion of hypothetical situations will constitute a significant part of the learning experience. Prerequisite(s): Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Criminal Justice or Major=BS Paralegal or Major=BS English - Prelaw.

CJ 401. Civil Liability in Law Enforcement. 3 Hours.
This course will provide students with a historical overview and current trends in civil litigation against law enforcement as well as describing the varying types of liability that exist under the law. Students will study the defenses to liability claims made against law enforcement. Liability claims will also be examined by the administrator’s point of view including claims of failure to train and failure to supervise. Use of force and section 1983 claims will be examined in detail as the main claims against law enforcement. Prerequisite(s): CJ 101.

CJ 402. Perspectives in Terrorism. 3 Hours.
This course will analyze aspects of historical and current extremism and terrorism which will be related to contemporary domestic and international terrorism issues. The course will cover sophisticated theories developed by analysts around the world to investigate paramilitarism, white supremacy groups, hate groups, religious fundamentalism, and foreign terrorist groups which may pose a threat to United States interests. The special topic analyzed is not a regular course offering of the social sciences department. Since the topic covered in this class differs from year to year, students should seek further information from the instructor before registering regarding the particular topic that will be analyzed. Possible topics to be analyzed include: the ancient roots of terrorism, motivation of terrorists, the current vulnerability of modern democracies, and global jihad.

CJ 403. Domestic Violence Law. 3 Hours.
This course introduces domestic violence law from an interdisciplinary perspective and offers a contemporary view of the criminal justice experience with diverse populations and forms of violence. Topics will include violence perpetrated in a variety of age and gender relationships including: dating violence, sibling abuse, rape and incest, child and elder abuse and neglect, male battering, violence within the lesbian and gay communities, and violence against women. Students will also be expected to master current State of Maine and federal statutes relating to domestic violence. Prerequisite(s): PL 100 or CJ 101.

CJ 404. Cults. 3 Hours.
This course is intended to introduce and explore the structure and psychology of totalistic cultic organizations. Students will examine the key differences between conventional religious movements, splinter sects and cults to better understand the differences among varied faith-based organizations. Cults will be viewed both from historical and contemporary viewpoints in regard to recruiting practices, thought reform and control, personal and social consequences of cult membership, and the unique challenges that such groups pose for law enforcement. Additionally, students will review the clinical precursors which may predispose an individual to cultic persuasion and indoctrination, as well as the psychological consequences of membership. The course will rely heavily upon a detailed case study format which will scrutinize selected cult leaders/groups and allow students to apply theoretical knowledge to particular historical events and figures. Prerequisite(s): PY 332 or PY 232.

CJ 405. Crime & Literature. 3 Hours.
This course is intended to introduce several works of classical and modern literature which have incorporated the use of crime or criminality as a central theme. Students will be required to read from works of short fiction and novels as a means of preparing for discussion and analysis of core elements. Additionally, the various experiences of the individual criminal will be considered in light of those factors which may have an impact on the development of crime as a situational or social phenomenon. Required sources may include, but not remain limited to: Ernest Hemingway, Arthur Miller, William Faulkner and Truman Capote. Prerequisite(s): EH 200.

CJ 406. Victimology. 3 Hours.
This course will focus on the forgotten member of the criminal dyad: the victim. The purpose of this course is to introduce students to these developments and to alert them to ongoing victim-related issues. The goals of the course will include: Introducing the student to the development of the field of victimology; Delineating the conceptual boundaries of victimology; Familiarizing the student with basic concepts and literature within various sub-areas of victimology; Exploring policy developments and practical applications that stem from this concern over victims; and Assessing the progress away from a criminal justice system towards achieving a victim justice system. Prerequisite(s): CJ 235.

CJ 407. Advanced Community Policing. 3 Hours.
In this practicum based course, students will establish partnerships with relevant community members to identify problems related to the incidence of crime and social disorder. Students will engage in a collaborative problem solving exercise which will illustrate the enhanced ability of communities to prevent crime and disorder through cooperative and reciprocal relationships between police and citizens. Prerequisite(s): CJ 307.
CJ 408. Serial Homicide. 3 Hours.
This course is intended to introduce and explore the phenomenon of repetitive, intrinsically motivated homicide utilizing both clinical and law enforcement perspectives. Primary behavioral and crime scene characteristics of both organized and disorganized types of offenders will be reviewed to explain the incidence of serial homicide as a function of motivational factors ranging from sociopathy to severe psychiatric disturbance. The varied typologies and classification systems for serial murderers will be presented as a means of discussing issues ranging from victim selection to law enforcement investigative responsibilities. The course will rely heavily upon a detailed case study format which will scrutinize the crimes of key selected offenders and allow students to apply theoretical knowledge to particular serial perpetrators. Prerequisite(s): PY 332 or PY 232.

CJ 409. Criminal Profiling. 3 Hours.
This course is intended to introduce and review the basic theoretical and practical applications of criminal profiling techniques. Specifically, the student will be introduced to concepts including, but not limited to: the uses of criminal profiling; crime scene evaluation and reconstruction; criminal motivation and offender characteristics; modus operandi and offender signature; psychopathic and sadistic behavior; behavioral aspects of fire-setting; serial offenses, including rape and homicide. Students will explore varied offense behaviors and their psychological underpinnings to develop an understanding of the role of behavioral analysis of evidence in critical investigations. Prerequisite(s): PY 332 or PY 232.

CJ 410. Criminal Justice Internship. 3-9 Hours.
In this experiential course, the student serves as an intern with a criminal justice professional in a work setting. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional, and the internship director. The experience may be multidisciplinary, but should have a strong criminal justice element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): College Level=Junior or College Level=Senior.

CJ 412. Homeland Security. 3 Hours.
This course of study relates principle aspects of terrorism and how it affects our communities. This course compiles information from programs available on the national level that pertain to terrorism and the law enforcement officer’s response to these types of incidents. The instruction is designed to provide the student with an understanding of the key role of first responder in their response to a suspected terrorist incident.

CJ 414. Counterterrorism and Counterinsurgency. 3 Hours.
This course introduces students to the topics of counterterrorism and counterinsurgency. A variety of concepts, theories, and methodologies will be examined in an effort to better understand what drives violent jihadism and global terrorism. Students will learn about policies, strategies, and tactics designed to counter the global threats currently posed during the terror age, and the operational and political risks of government action or inaction.

CJ 415. Corporate Security. 3 Hours.
Security has entered a new era since the events of 9/11 and this course focuses on the impact of these events on Corporate Security. Risk assessment models and proactive strategic planning concepts will be discussed drawing from actual cases. Students will also learn the importance of working from measurable metrics and business needs rather than unproven assumptions.

CJ 416. Global Jihad and Radicalization. 3 Hours.
This course will focus on the rise of radical Islam beginning in the late 20th century with the Mujahideen in Afghanistan and the Muslim Brotherhood in Egypt, through the 21st century with the emergence of Al Qaeda, Taliban, Boka Haram and ISIS. The course will examine methods, practices and global ambitions of these groups. Additionally attention will be given to the global ambitions for the creation of an Islamic caliphate and its implications for the modern world. The process and dynamics of Islamic fundamentalist radicalization will be explored in terms of how and where it occurs and how it can be prevented. Extensive use will be made of multimedia images of historical and current events.

CJ 420. Leadership in Police Organizations I. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 421. Leadership in Police Organizations II. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 435. Management & Criminal Justice. 3 Hours.
This course examines the application of modern management theory and technique to the criminal justice system. It emphasizes the unique nature of the criminal justice community and the complex relationships, which are necessary to make it efficient and effective. Topics covered include: hiring, developing personnel; managing budgets, dealing with public sector unions; discipline and problem behaviors; complaints and grievances; stress and time management; performance appraisals; deploying human resources; and emerging trends in criminal justice management. Prerequisite(s): CJ 215.

CJ 445. Criminal Justice Capstone. 3 Hours.
This course is designed to synthesize the information and insights from other courses in the Criminal Justice Curriculum. It includes research in crime trends and causes, scholarly research, and an assessment of each student’s knowledge and understanding of the essential elements of the criminal justice system. This Capstone Course will focus on pragmatic application of principles and theories which guide Criminal Justice practice in the United States. Prerequisite(s): CJ 225 and PL 200.

CJ 490. Forensic Psychology. 3 Hours.
This course will introduce and review the basic theoretical and practical applications of forensic Psychology in our society. The student will be introduced to concepts in the field that directly impact or influence law enforcement and the judicial system. Concepts will range from the uses of criminal profiling, risk assessment of violent behavior and interrogation to custody, competency and discrimination determinations. Students will gain an in-depth understanding of each core topic as well as an appreciation for how each contributes to the broader domain of the criminal justice system. Prerequisite(s): (PY 332 or PY 232) and (College Level=Junior or College Level=Senior).
CJ 491. Forensic Science I. 4 Hours.
This course builds on the scientific knowledge and analytical skills developed in the prerequisite science courses and laboratory work. The student will apply scientific principles and use current laboratory instrumentation to compare and distinguish between typical forensic evidence items. Students will become familiar with microscope examinations of trace evidence including soil, fibers and hairs, forensic serology and screening, DNA typing, bloodstain pattern analysis and toxicology. Topical discussions and lectures will be supplemented by scheduled field trips and guest speakers from the forensic science community. Prerequisite(s): SC 191 and SC 192 and SL 191 and SL 192 and SC 241 and CJ 221 and CJ 330 and SC 224.

CJ 492. Forensic Science II. 4 Hours.
This course builds on the scientific knowledge and analytical skills developed in the prerequisite science courses, laboratory work and Forensic Science I course. The student will build on their understanding of the properties of organic and inorganic compounds and apply these to analysis of typical forensic science samples. Students will analyze drugs, inks and dyes, explosives, fire debris samples. Forensic document examination, fingerprint development and bullet comparisons will be conducted. Scientific reports will be written for each specific forensic discipline. Topical discussions and lectures will be supplemented by scheduled field trips and guest speakers from the forensic science community. Prerequisite(s): CJ 491.

CJ 493. Forensic Seminar. 4 Hours.
This course is the capstone of the bachelor’s degree in forensic science. The course will draw on the knowledge acquired throughout the previous seven semesters. The course will guide students through correct processing and sequencing of processing of evidence at the crime scene and in the laboratory. Particular attention will be placed on understanding the pros and cons, false negatives and false positives, cross reactions and potential for cross contamination in analyzing and testing evidence items. Students will learn various techniques for describing scientific principles in layman’s terms. The course will finish up with a mock trial at the end of the semester, giving the student the chance to experience direct and cross examination. During the course of the semester the class will sit for the International Association of Identification (IAI) crime scene technician certification. This will give the students the opportunity to acquire international certification and well as earn the degree. Prerequisite(s): SC 103 and SL 103 and SC 241 and SL 241 and CJ 221 and CJ 330 and SC 224 and CJ 491.

CJ 496. Concepts and Issues in CJ. 3 Hours.
This course provides a broad overview and critical examination of criminal justice topics. Commentary on these issues is written by experts in fields such as crime and justice and America, American law enforcement, the court system, juvenile justice, corrections, and the future of justice in America. Students will be required to meet nineteen scheduled field trips and guest speakers from the forensic science community. Prerequisite(s): ( College Level=Junior or College Level=Senior) and ( Major=BS Criminal Justice or Major=BS Psychology - Crim Justice).

CJ 498. Basic Law Enforcement Training. 15 Hours.
Taught at the Maine Criminal Justice Academy, this 18-week course is designed to qualify a student as a Maine law enforcement officer. The Academy program tests a student's ability and willingness to assume the complex and challenging responsibilities of a modern law enforcement officer in keeping the peace, protecting state and federal constitutional rights and enforcing the law.

CJ 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in criminal justice that would not normally be a part of the Husson curriculum. As such the topics will depend of the interests of students and faculty. Prerequisite(s): ( College Level=Junior or College Level=Senior).

CJ 700. Introduction to Criminal Justice Administration. 3 Hours.
This course provides an analysis and overview of the theories of organization and the administration of criminal justice agencies, including management styles, techniques of leadership, ethics, and decision-making for those students who do not have a previous background in criminal justice.

CJ 701. Justice Administration and Information Systems. 3 Hours.
This course will include the examination of contemporary law enforcement organizations and the issues police and other public service managers confront every day. The course will focus on case study analysis as a method of learning the latest management and behavioral theories. The five approaches to management that will be emphasized include: commitment to a common purpose; concern for high-quality public services; empowerment and shared leadership; pragmatic incrementalism; and dedication to public service.

CJ 702. Perspectives in Terrorism. 3 Hours.
The students in this course will analyze aspects of historical and current extremism and terrorism which will be related to contemporary domestic and international terrorism issues. The course will cover sophisticated theories developed by analysts around the world to investigate paramilitarism, white supremacy groups, hate groups, religious fundamentalism, and foreign terrorist groups which may pose a threat to United States interests. Among the topics to be analyzed include the ancient roots of terrorism, motivation of terrorists, the current vulnerability of modern democracies, and global jihad.

CJ 703. Labor and Employment Law. 3 Hours.
This course reviews the law under the National Labor Relations Act (NLRA). It will focus on unfair labor practices, union representative elections and conflict in the workplace. It includes an emphasis on proper collective bargaining processes, methods of mediation and arbitration to resolve disputes and the duty to bargain in good faith between employers and employees. Students are expected to study the text of the statute, relevant selections from actual cases, and various other materials and apply them to current events and hypothetical situations.

CJ 705. Leadership & Ethics. 3 Hours.
This course will provide students with a study of leadership principles and strategies using historical figures as examples. The primary source of effective leadership will be Ernest Shackleton and is 1914 Antarctic expedition. Other historical leaders that will be drawn from include, but are not limited to: George Washington, Abraham Lincoln, and Theodore Roosevelt. Students will focus on leadership decisions made by these individuals and the ethical framework that surrounds every decision. Students will incorporate the leadership and ethical decision making skills into a final project related to their own field of study.

CJ 707. Public Policy and Planning. 3 Hours.
Students will examine policy development and planning processes. Topics will include the process and models of policy formation, policy implementation methods and evaluation components typically associated with planned change in criminal justice.
CJ 709. Advanced Criminological Theories. 3 Hours.
This course is intended to introduce an advanced sociological perspective as it is applied to the themes of crime, criminality and the individual offender. Specifically, definitions of selected crimes will be explored in conjunction with various perspectives on both causation and response to criminal acts. This analysis will require students to read and discuss the primary writings of those thinkers responsible for the development of landmark classical and contemporary criminological theories.

CJ 710. Criminal Justice Graduate Internship. 3-6 Hours.
This course is designed for students who desire to obtain on-the-job experience in the criminal justice profession who have not previously been employed in the internship locale. The nature of the work and the location of the internship must be approved by the student’s advisor. Included in the experience and pre-counseling, on-site supervision, periodic summary and evaluation reporting, supplemental reading, pertinent research or practical work-related projects, and presentation of projects.

CJ 711. White Collar Crime. 3 Hours.
This course explores the nature of elite deviance as it relates to crime and power in American society. Various forms of white collar crime will be examined and illustrated through case studies and estimates of the extent and costs of these crimes will be presented. Students will have the opportunity to gain a better understanding of how white collar crime affects employees, consumer and citizens.

CJ 712. Homeland Security. 3 Hours.
This course relates principle aspects of terrorism and how it affects our communities. It compiles information from programs available on the national level that pertain to terrorism and the law enforcement officer’s response to these types of incidents. The instruction is designed to provide the student with an understanding of the key role of first responder in their response to a suspected terrorist incident.

CJ 713. Psychology and the Legal Environment. 3 Hours.
This course is intended to introduce and review the basic theoretical and practical applications of forensic psychology in our society. Specifically, issues related to the use of psychological research and knowledge in legal environments will be presented to allow the student to appreciate the unique interaction between psychology and the law. Concepts will range from the analysis of competency and insanity to the use of criminal profiling, risk assessments of violent behavior, and psychopathology. Considerable attention will be allotted to an investigation of victimology concerns stemming from sexual assault of children and adults, as well as domestic violence. Students will gain an in-depth understanding of each core topic as well as an appreciation for how each contributes to the broader domain of the legal system.

CJ 714. Counterterrorism and Counterinsurgency. 3 Hours.
This course introduces students to the topics of counterterrorism and counterinsurgency. A variety of concepts, theories, and methodologies will be examined in an effort to better understand what drives violent jihadism and global terrorism. Students will learn about policies, strategies, and tactics designed to counter the global threats currently posed during the terror age, and the operational and political risks of government action or inaction.

CJ 715. Corporate Security. 3 Hours.
This course will focus on the impacts on corporate security from the new age that has been entered since 9/11/01. Entirely new risk assessment models and proactive strategic planning concepts will be discussed drawing from actual cases. The important of working from measurable metrics and business needs rather than unproven assumptions will be discussed.

CJ 716. Global Jihad and Radicalization. 3 Hours.
This course will focus on the issue of the rise of radical Islam beginning in the late 20th century with the Mujahedeen in Afghanistan and the Muslim Brotherhood in Egypt, through the 21st century with the emergence of Al Qaeda, Taliban, Boka Harem and ISIS. The course will examine methods, practices, and global ambitions of these groups. Additionally attention will be given to the global ambitions for the creation of an Islamic caliphate and its implications for the modern world. The process and dynamics of Islamic fundamentalist radicalization will be explored in terms of how and where it occurs and how it can be prevented. Extensive use will be made of multimedia images of historical and current events.

CJ 717. Graduate Capstone Course. 3 Hours.
This course focuses on providing students an understanding of the major theories of the public policymaking process, the mechanics of the process, methods of examining policy impacts, and how criminological research can affect policy change as well as be driven by policy. Another goal of this course is to familiarize students with current pressing criminal justice issues and to have the students become sophisticated practitioners and consumers of evaluation research. Students will be expected to reflect critically upon the role of criminological research in the policy making / decision making process. Prerequisite(s): BA 600 and 18 Credits From Range [BA 600 To BA 799].

CJ 720. Leadership in Police Organizations I. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 721. Leadership in Police Organizations II. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 799. Topic/. 3-6 Hours.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in Criminal Justice Administration. This course may consist of seminars, individualized instruction, and/or research related to a specific area of specialization.

Forensic Science
Features of the Program
Forensic Science is the application of science to legal proceedings. A student pursuing this degree will study Chemistry, Biology, and Forensic Science as well as substantive evidentiary and procedural law. Forensic science specialists examine and evaluate physical evidence, using chemical, microscopic, instrumental and physical methods of analysis. They may be required to work with blood and other biological fluids, hair, gunshot residue, drugs, fibers, paint and glass. Forensic science specialists also typically are responsible for preparing written reports on their findings, serving as expert witnesses in court hearings, and
conducting research regarding new technologies, equipment, and techniques.

**Requirements for Forensic Science Majors**

Candidates for a Bachelor of Science degree are required to complete a minimum of 130 semester credit hours maintaining a 2.0 overall cumulative grade point average and a 2.0 overall in the courses listed below. Transfer students must complete a minimum of 30 credit hours at Husson University. At least 15 credits must be earned in Husson Forensic Science courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CJ 101</td>
<td>Intro to Justice &amp; Pub Safety</td>
<td>3</td>
</tr>
<tr>
<td>CJ 221</td>
<td>Criminalistics</td>
<td>3</td>
</tr>
<tr>
<td>CJ 225</td>
<td>Criminal Procedure</td>
<td>3</td>
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<tr>
<td>CJ 333</td>
<td>Computer Forensics</td>
<td>3</td>
</tr>
<tr>
<td>CJ 341</td>
<td>Investigations</td>
<td>3</td>
</tr>
<tr>
<td>CJ 400</td>
<td>Evidence</td>
<td>3</td>
</tr>
<tr>
<td>CJ 410</td>
<td>Criminal Justice Internship</td>
<td>3-9</td>
</tr>
<tr>
<td>CJ 491</td>
<td>Forensic Science I</td>
<td>4</td>
</tr>
<tr>
<td>CJ 492</td>
<td>Forensic Science II</td>
<td>4</td>
</tr>
<tr>
<td>CJ 493</td>
<td>Forensic Seminar</td>
<td>4</td>
</tr>
</tbody>
</table>

B.S. Forensic Science majors must achieve a C or better in all lab science courses (designated with SC) and all labs (designated with SL) in order to complete the major requirements.

**B.S Forensic Science**

Students are expected to complete 130 credit hours of course work and related activity in the Bachelor of Science program. This program provides both a strong core of professional courses as well as a varied liberal arts background. The goal of this degree will be to give science and criminal justice students a new educational avenue to pursue and the opportunity to qualify for entry level forensic science positions within crime laboratories, police departments and medical related fields. Students will gain competency in the following areas:

- Forensic Science within the Justice System
- Crime Scene Processing
- Evidence Documentation, Preservation and Packaging
- Systematic and holistic approach to evidence examination
- Presumptive and Confirmatory testing of forensic samples
- Comparison of pattern evidence
- Judicial and Courtroom Procedures
- Research and Analytical Methods

The following courses are required to complete this Bachelors degree:

**General Education Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CM 100</td>
<td>Speech</td>
<td>3</td>
</tr>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
</tr>
<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
<td>3</td>
</tr>
<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
</tr>
<tr>
<td>HE 111</td>
<td>The Husson Experience ***</td>
<td>1</td>
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<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MS 180</td>
<td>Precalculus with Trigonometry</td>
<td>4</td>
</tr>
<tr>
<td>MS 181</td>
<td>Calculus with Applications</td>
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**Professional Courses**

<table>
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<tbody>
<tr>
<td>PH 110</td>
<td>Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PY 111</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SC 181</td>
<td>Chemistry I &amp; SL 181</td>
<td>4</td>
</tr>
<tr>
<td>SC 182</td>
<td>Chemistry II &amp; SL 181</td>
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<tr>
<td>SC 191</td>
<td>General Biology I &amp; SL 191</td>
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<tr>
<td>SC 192</td>
<td>General Biology II &amp; SL 192</td>
<td>4</td>
</tr>
<tr>
<td>SC 224</td>
<td>Research Design</td>
<td>3</td>
</tr>
<tr>
<td>SC 241</td>
<td>Microbiology &amp; SL 241</td>
<td>4</td>
</tr>
<tr>
<td>SC 271</td>
<td>Physics I &amp; SL 271</td>
<td>4</td>
</tr>
<tr>
<td>SC 272</td>
<td>Physics II &amp; SL 272</td>
<td>4</td>
</tr>
<tr>
<td>SC 334</td>
<td>Genomic Biology</td>
<td>3</td>
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<tr>
<td>SC 352</td>
<td>Biochemistry</td>
<td>3</td>
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<tr>
<td>SC 381</td>
<td>Organic Chemistry I &amp; SL 381</td>
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<td>SC 382</td>
<td>Organic Chemistry II &amp; SL 382</td>
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<td>SC 394</td>
<td>Analytical Chemistry &amp; SL 394</td>
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<tr>
<td>SC Science Elective</td>
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<tr>
<td>SY 201</td>
<td>Principles of Sociology</td>
<td>3</td>
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<tr>
<td>Fine Arts Elective</td>
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<tr>
<td>Foreign Cult. &amp; Conv. Elective</td>
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**Total Hours** 131

**Suggested Course Sequence**

**First Year**

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
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<tr>
<td>CJ 341</td>
<td>Investigations</td>
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<tr>
<td>CJ 400</td>
<td>Evidence</td>
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<tr>
<td>CJ 410</td>
<td>Criminal Justice Internship</td>
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<tr>
<td>CJ 491</td>
<td>Forensic Science I</td>
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<td>CJ 492</td>
<td>Forensic Science II</td>
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<td>CJ 493</td>
<td>Forensic Seminar</td>
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**Spring**

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<td>EH 124</td>
<td>Rhetoric and Composition I</td>
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<td>SC 182</td>
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<td>SC 191</td>
<td>General Biology I &amp; SL 191</td>
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<td>SC 192</td>
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<td>SC 224</td>
<td>Research Design</td>
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<td>SC 241</td>
<td>Microbiology &amp; SL 241</td>
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<td>Analytical Chemistry &amp; SL 394</td>
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<td>SC Science Elective</td>
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<tr>
<td>SY 201</td>
<td>Principles of Sociology</td>
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**Total Hours** 131
### Second Year

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<th>Course</th>
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<td>EH 200</td>
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<td>MS 181</td>
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<td>Science Elective</td>
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<td>PY 111</td>
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<td>SC 382</td>
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<td>&amp; SL 382</td>
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### Third Year

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<tr>
<td>CJ 221*</td>
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<td>SC 224</td>
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<tr>
<td>MS 132</td>
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<td>SC 272</td>
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<tr>
<td></td>
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<td>&amp; SL 272</td>
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<tr>
<td>PH 110</td>
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### Fourth Year

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<td>CJ 333</td>
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<tr>
<td>CJ 410*</td>
<td>3</td>
<td>CJ 492*</td>
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<td>SC 352</td>
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</table>

Total Hours: 131

* "C" or better in all courses marked
*** Course may not be required for degree completion.

### B.S. Hospitality and Tourism Management

The program objectives of the B.S. Hospitality & Tourism Management degree are:

- To explain the major concepts in the functional areas of accounting, marketing, finance and management
- To evaluate the legal, social and economic environments of business
- To describe the global environment of business
- To apply ethical decision making skills and integrity in an ever-changing, global environment
- To demonstrate oral and written communication skills, appropriate to the profession
- To apply critical problem solving and professional skills in an experiential learning environment
- To demonstrate general and functional knowledge of Hospitality and Tourism Management principles including those related to the Food and Beverage Industry; the Lodging Industry; Travel and Tourism; and Sustainability

The B.S. in Hospitality and Tourism Management

Hospitality and Tourism Management students are required to complete 121 credit hours of course work maintaining a 2.0 overall cumulative grade point average and a 2.0 overall grade point average in their major courses. This program provides a very strong core of hospitality and tourism courses, a strategically balanced business acumen and a varied general education background.

### General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BA 211</td>
<td>Microeconomics</td>
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<tr>
<td>BA 212</td>
<td>Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>CM 100</td>
<td>Speech</td>
<td>3</td>
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<tr>
<td>EH 123</td>
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MS 132 Probability and Statistics 3
or MS 232 Finite Mathematics
PY 111 General Psychology 3
Communication Elective 3
Lab Science Elective 3
Fine Arts Elective 3
Foreign Culture & Conversation Elective 3
Co-curricular activity and/or community service

General Business Courses
AC 121 Principles of Accounting I 3
AC 122 Principles of Accounting II 3
AC 211 Managerial Accounting 3
BA 101 Introduction to Business 3
BA 201 Business Law I 3
BA 202 Business Law II 3
BA 302 Business Ethics 3
BA 310 Organization and Management 3
BA 321 Marketing Principles 3
BA 362 Financial Management I 3
BA 422 Sales and Sales Management 3
BA 440 Small Business Management I 3
BA 490 International Business 3

Concentration in Hospitality Management Courses
HA 101 Intro to Hospitality Mgmt 3
HA 200 Tourism and Travel 3
HA 201 Food & Beverage Control Systems 3
HA 202 Facilities & Guest Services 3
HA 301 Supervision in Hospitality Management 3
HA 302 Hotel Operations 3
HA 303 Event Planning and Management 3
HA 311 Destination Management and Marketing 3
HA 401 Hospitality Internship (Has been reduced from 6 credit hours to 3 credit hours) 3
HA 402 Leadership in Hospitality Management 3
HA 403 Advanced Hospitality Internship 6
HSTM Elective 3

Total Hours: 122

Suggested Course Sequence

First Year

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Second Year

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Third Year

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Fourth Year

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Total Hours: 122

*** Credit may not be required for degree completion

Courses

HA 101. Intro to Hospitality Mgmt. 3 Hours.
This survey of the hospitality industry will cover history, current practices, future of the industry, restaurant/food service operations, hotel/motel management, travel/tourism, managing in the service industry, operations management and personnel leadership.

HA 102. Basic Hospitality Internship. 3 Hours.
This internship is a college-supervised introduction to hospitality work experience at a participating industry property; course includes placement for a full summer. A journal and written assignments are required components of the internship experience (May-August). Prerequisite(s): HA 101.

HA 200. Tourism and Travel. 3 Hours.
This course is designed to expand the student’s knowledge of Tourism and Travel by examining how the different sectors of Tourism and Travel work separately and in unison. Some of the aspects covered will include the economics, psychology and sustainability of travel and tourism.
HA 201. Food & Beverage Control Systems. 3 Hours.
Theory and practice of food preparation. Topics will include: importance of food preparation to restaurant success, food history, kitchen and restaurant cost controls, menu development, purchasing, receiving, equipment operation and maintenance, and basic food preparation and presentation.

HA 202. Facilities & Guest Services. 3 Hours.
In-depth study of operations of food and rooms divisions in the hospitality industry. Topics will include hiring, staff development, quality services, and ethics. Prerequisite(s): HA 101 and HA 201.

HA 203. Intermediate Hospitality Inter. 3 Hours.
This college-supervised internship builds on the previous one to insure that the student gains exposure to front line industry positions that are different from the previous internship experience. A journal and written assignments are required components of the internship experience (May-August). Prerequisite(s): HA 102.

HA 209. Menu Planning and Food Safety. 3 Hours.
This course undertakes a comprehensive exploration of the basic functions in contemporary food service management. The course examines menu management and food safety within the modern food service industry and may lead to Servsafe certification. Prerequisite(s): HA 201.

HA 211. Economics of Tourism. 3 Hours.
The purpose of this specialized course is to expand the student’s knowledge in the fundamentals of the economic impact of tourism. In this 200 level course, the student will learn how to create value in tourism, who are the consumers of tourism and the impact of tourism on GDP. The student will visit a convention and visitors bureau and will prepare an impact project on an aspect on tourism on the local economy. Prerequisite(s): HA 101 and HA 200.

HA 299. Topic/. 3 Hours.
This course is intended to provide an intermediate course which is timely and based on the interests and needs of the students, faculty and the workplace environment. These courses would not normally be part of the Husson curriculum, but can be used to develop future courses.

HA 301. Supervision in Hospitality Management. 3 Hours.
This course will provide a framework for supervision combined with the responsibilities, skills, and tools necessary to improve the student’s effectiveness as a supervisor.

HA 302. Hotel Operations. 3 Hours.
This course covers topics involved with creating and managing hospitality properties including building, design and operations of room and food operations. In this course students will write a business plan for a hospitality property.

HA 303. Event Planning and Management. 3 Hours.
The purpose of this specialized course is to expand the student’s knowledge in the fundamentals of event management. In this junior level course, the student will learn that gatherings, meetings and events have been occurring for centuries. The student will visit an event center and will plan an event either actual or simulated from start to finish. Prerequisite(s): HA 101 and HA 200.

HA 311. Destination Management and Marketing. 3 Hours.
This course is designed to expand the student’s knowledge of the marketing of Tourism and Travel. The student will learn how this industry uses destination marketing and management to guide the consumer to make more efficient use of their leisure time. Prerequisite(s): HA 101 and HA 200.

HA 401. Hospitality Internship. 3 Hours.
A College-supervised work experience course with participating hospitality properties; course includes placement for a full summer and fall semester.

HA 402. Leadership in Hospitality Management. 3 Hours.
In depth analysis of selected case studies affecting today’s hospitality industry. Course emphasizes teamwork, hospitality sensitivity, critical reasoning and integration of skills. Prerequisite(s): HA 401.

HA 403. Advanced Hospitality Internship. 6 Hours.
Advanced Hospitality Internship—This college supervised work experience will provide the student with entry level management experience in the hospitality industry through placement in a hospitality property for a full summer or a fall and spring semester. Prerequisite(s): HA 401 and College Level=Senior.

HA 412. Sustainable Tourism. 3 Hours.
This course is designed to expand the student’s understanding of the concepts and principles of the marketing and management of ecotourism activities and the development of sustainable growth in tourism sectors. Prerequisite(s): HA 101 and HA 200.

HA 499. Topic/. 1-3 Hour.
This course is designed to allow students and faculty the opportunity to research and design special projects within the Hospitality and Tourism Industries. The course enhances the student’s knowledge of Hospitality and Tourism Management by building on prior course work and experiential learning.

BS Hospitality & Tourism Management - Sales and Marketing

Hospitality and Tourism Management students are required to maintain a 2.0 overall cumulative grade point average and a 2.0 overall grade point average in their major courses. This program provides a very strong core of hospitality and tourism courses, a strategically balanced business acumen concentrating in sales and marketing, and a varied general education background.

Students who complete the Sales and Marketing concentration will be able to:

- Demonstrate knowledge of basic principles of marketing
- Demonstrate knowledge of the importance of global markets
- Apply statistical, problem solving and critical thinking skills

Students will also complete the program objectives for the B.S. Hospitality Management degree.

General Education Courses

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<tr>
<th>Course Code</th>
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<td>Sales and Sales Management</td>
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<td>CM 100</td>
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<td>Approaches to Literature</td>
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<td>Tourism and Travel</td>
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<td>Hospitality Internship (Has been reduced from 6 credit hours to 3 credit hours)</td>
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<td>HA 402</td>
<td>Leadership in Hospitality Management</td>
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</table>
HE 111     The Husson Experience***     1
MI 111     Introduction to Microcomputing     3
or MI 214 Microcomputer Spreadsheet Applications
MS 132     Probability and Statistics     3
or MS 232 Finite Mathematics
MS 141     Contemporary College Algebra     4
PY 111     General Psychology     3
Communication Elective     3
Fine Arts Elective     3
Foreign Culture & Conversation Elective     3
Lab Science Elective     3

General Business Courses
AC 121     Principles of Accounting I     3
AC 122     Principles of Accounting II     3
AC 211     Managerial Accounting     3
BA 101     Introduction to Business     3
BA 201     Business Law I     3
BA 202     Business Law II     3
BA 211     Microeconomics     3
BA 212     Macroeconomics     3
BA 310     Organization and Management     3
BA 321     Marketing Principles     3
BA 362     Financial Management I     3
BA 490     International Business     3
HA 101     Intro to Hospitality Mgmnt (Concentration in Small Business Entrepreneurship Courses)     3
HA 201     Food & Beverage Control Systems     3
HA 202     Facilities & Guest Services     3
HA 301     Supervision in Hospitality Management     3
HA 302     Hotel Operations     3

Concentration in Sales Marketing Courses
BA 421     Integrated Marketing Communication and Advertising     3
BA 423     Retail Management     3
BA 425     Marketing Management     3
BA 437     International Marketing     3
HA 303     Event Planning and Management     3
HA 311     Destination Management and Marketing     3

Total Hours: 122

Suggested Course Sequence

First Year

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Second Year

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Total Hours: 17

Third Year

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Total Hours: 15

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Total Hours: 15

Total Hours: 122

*** Credit may not be required for degree completion

Courses

HA 101. Intro to Hospitality Mgmnt. 3 Hours.
This survey of the hospitality industry will cover history, current practices, future of the industry, restaurant/food service operations, hotel/motel management, travel/tourism, managing in the service industry, operations management and personnel leadership.

HA 102. Basic Hospitality Internship. 3 Hours.
This internship is a college-supervised introduction to hospitality work experience at a participating industry property; course includes placement for a full summer. A journal and written assignments are required components of the internship experience (May-August).
Prerequisite(s): HA 101.
HA 200. Tourism and Travel. 3 Hours.
This course is designed to expand the student’s knowledge of Tourism and Travel by examining how the different sectors of Tourism and Travel work separately and in unison. Some of the aspects covered will include the economics, psychology and sustainability of travel and tourism.

HA 201. Food & Beverage Control Systems. 3 Hours.
Theory and practice of food preparation. Topics will include: importance of food preparation to restaurant success, food history, kitchen and restaurant cost controls, menu development, purchasing, receiving, equipment operation and maintenance, and basic food preparation and presentation.

HA 202. Facilities & Guest Services. 3 Hours.
In-depth study of operations of food and rooms divisions in the hospitality industry. Topics will include hiring, staff development, quality services, and ethics. Prerequisite(s): HA 101 and HA 201.

HA 203. Intermediate Hospitality Inter. 3 Hours.
This college-supervised internship builds on the previous one to insure that the student gains exposure to front line industry positions that are different from the previous internship experience. A journal and written assignments are required components of the internship experience (May-August). Prerequisite(s): HA 102.

HA 209. Menu Planning and Food Safety. 3 Hours.
This course undertakes a comprehensive exploration of the basic functions in contemporary food service management. The course examines menu management and food safety within the modern food service industry and may lead to Servsafe certification. Prerequisite(s): HA 201.

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The purpose of this specialized course is to expand the student’s knowledge in the fundamentals of the economic impact of tourism. In this 200 level course, the student will learn how to create value in tourism, who are the consumers of tourism and the impact of tourism on GDP. The student will visit a convention and visitors bureau and will prepare an impact project on an aspect on tourism on the local economy. Prerequisite(s): HA 101 and HA 200.

HA 299. Topic/. 3 Hours.
This course is intended to provide an intermediate course which is timely and based on the interests and needs of the students, faculty and the workplace environment. These courses would not normally be part of the Husson curriculum, but can be used to develop future courses.

HA 301. Supervision in Hospitality Management. 3 Hours.
This course will provide a framework for supervision combined with the responsibilities, skills, and tools necessary to improve the student’s effectiveness as a supervisor.

HA 302. Hotel Operations. 3 Hours.
This course covers topics involved with creating and managing hospitality properties including building, design and operations of room and food operations. In this course students will write a business plan for a hospitality property.

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HA 311. Destination Management and Marketing. 3 Hours.
This course is designed to expand the student’s knowledge of the marketing of Tourism and Travel. The student will learn how this industry uses destination marketing and management to guide the consumer to make more efficient use of their leisure time. Prerequisite(s): HA 101 and HA 200.

HA 401. Hospitality Internship. 3 Hours.
A College-supervised work experience course with participating hospitality properties; course includes placement for a full summer and fall semester.

HA 402. Leadership in Hospitality Management. 3 Hours.
In depth analysis of selected case studies affecting today’s hospitality industry. Course emphasizes teamwork, hospitality sensitivity, critical reasoning and integration of skills. Prerequisite(s): HA 401.

HA 403. Advanced Hospitality Internship. 6 Hours.
Advanced Hospitality Internship - This college supervised work experience will provide the student with entry level management experience in the hospitality industry through placement in a hospitality property for a full summer or a fall and spring semester. Prerequisite(s): HA 401 and College Level-Senior.

HA 412. Sustainable Tourism. 3 Hours.
This course is designed to expand the student’s understanding of the concepts and principles of the marketing and management of ecotourism activities and the development of sustainable growth in tourism sectors. Prerequisite(s): HA 101 and HA 200.

HA 499. Topic/. 1-3 Hour.
This course is designed to allow students and faculty the opportunity to research and design special projects within the Hospitality and Tourism Industries. The course enhances the student’s knowledge of Hospitality and Tourism Management by building on prior course work and experiential learning.

BS Hospitality & Tourism Management - Small Business/Entrepreneurship

Hospitality and Tourism Management students are required to maintain a 2.0 overall cumulative grade point average and a 2.0 overall grade point average in their major courses. This program provides a very strong core of hospitality and tourism courses, a strategically balanced business acumen concentrating in entrepreneurship, and a varied general education background.

The program objective of the Small Business and Entrepreneurship concentration is to demonstrate subject matter knowledge and competence as applied to a smaller company* or family business.

Students will also complete the program objectives of the B.S. Hospitality and Tourism Management degree.

General Education Courses

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**Suggested Course Sequence**

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**Total Hours: 122**

*** Credit may not be required for degree completion

**Courses**

**HA 101. Intro to Hospitality Mgmnt. 3 Hours.**
This survey of the hospitality industry will cover history, current practices, future of the industry, restaurant/food service operations, hotel/motel management, travel/tourism, managing in the service industry, operations management and personnel leadership.

**HA 102. Basic Hospitality Internship. 3 Hours.**
This internship is a college-supervised introduction to hospitality work experience at a participating industry property; course includes placement for a full summer. A journal and written assignments are required components of the internship experience (May-August). Prerequisite(s): HA 101.
HA 200. Tourism and Travel. 3 Hours.
This course is designed to expand the student’s knowledge of Tourism and Travel by examining how the different sectors of Tourism and Travel work separately and in unison. Some of the aspects covered will include the economics, psychology and sustainability of travel and tourism.

HA 201. Food & Beverage Control Systems. 3 Hours.
Theory and practice of food preparation. Topics will include: importance of food preparation to restaurant success, food history, kitchen and restaurant cost controls, menu development, purchasing, receiving, equipment operation and maintenance, and basic food preparation and presentation.

HA 202. Facilities & Guest Services. 3 Hours.
In-depth study of operations of food and rooms divisions in the hospitality industry. Topics will include hiring, staff development, quality services, and ethics. Prerequisite(s): HA 101 and HA 201.

HA 203. Intermediate Hospitality Inter. 3 Hours.
This college-supervised internship builds on the previous one to insure that the student gains exposure to front line industry positions that are different from the previous internship experience. A journal and written assignments are required components of the internship experience (May-August). Prerequisite(s): HA 102.

HA 209. Menu Planning and Food Safety. 3 Hours.
This course undertakes a comprehensive exploration of the basic functions in contemporary food service management. The course examines menu management and food safety within the modern food service industry and may lead to Servsafe certification. Prerequisite(s): HA 201.

HA 211. Economics of Tourism. 3 Hours.
The purpose of this specialized course is to expand the student’s knowledge in the fundamentals of the economic impact of tourism. In this 200 level course, the student will learn how to create value in tourism, who are the consumers of tourism and the impact of tourism on GDP. The student will visit a convention and visitors bureau and will prepare an impact project on an aspect on tourism on the local econony. Prerequisite(s): HA 101 and HA 200.

HA 299. Topic/. 3 Hours.
This course is intended to provide an intermediate course which is timely and based on the interests and needs of the students, faculty and the workplace environment. These courses would not normally be part of the Husson curriculum, but can be used to develop future courses.

HA 301. Supervision in Hospitality Management. 3 Hours.
This course will provide a framework for supervision combined with the responsibilities, skills, and tools necessary to improve the student’s effectiveness as a supervisor.

HA 302. Hotel Operations. 3 Hours.
This course covers topics involved with creating and managing hospitality properties including building, design and operations of room and food operations. In this course students will write a business plan for a hospitality property.

HA 303. Event Planning and Management. 3 Hours.
The purpose of this specialized course is to expand the student’s knowledge in the fundamentals of event management. In this junior level course, the student will learn that gatherings, meetings and events have been occurring for centuries. The student will visit an event center and will plan an event either actual or simulated from start to finish. Prerequisite(s): HA 101 and HA 200.

HA 311. Destination Management and Marketing. 3 Hours.
This course is designed to expand the student’s knowledge of the marketing of Tourism and Travel. The student will learn how this industry uses destination marketing and management to guide the consumer to make more efficient use of their leisure time. Prerequisite(s): HA 101 and HA 200.

HA 401. Hospitality Internship. 3 Hours.
A College-supervised work experience course with participating hospitality properties; course includes placement for a full summer and fall semester.

HA 402. Leadership in Hospitality Management. 3 Hours.
In depth analysis of selected case studies affecting today’s hospitality industry. Course emphasizes teamwork, hospitality sensitivity, critical reasoning and integration of skills. Prerequisite(s): HA 401.

HA 403. Advanced Hospitality Internship. 6 Hours.
Advanced Hospitality Internship-This college supervised work experience will provide the student with entry level management experience in the hospitality industry through placement in a hospitality property for a full summer or a fall and spring semester. Prerequisite(s): HA 401 and College Level-Senior.

HA 412. Sustainable Tourism. 3 Hours.
This course is designed to expand the student’s understanding of the concepts and principles of the marketing and management of ecotourism activities and the development of sustainable growth in tourism sectors. Prerequisite(s): HA 101 and HA 200.

HA 499. Topic/. 1-3 Hour.
This course is designed to allow students and faculty the opportunity to research and design special projects within the Hospitality and Tourism Industries. The course enhances the student’s knowledge of Hospitality and Tourism Management by building on prior course work and experiential learning.

B.S. Hospitality & Tourism Mgmt/ M.B.A Hospitality and Tourism Management
The dual degree B.S. in Hospitality and Tourism Management / M.B.A. with Hospitality and Tourism Management concentration may be earned in as few as 5 years. Candidates for this dual degree program are required to maintain an undergraduate grade point average of 3.0 and a graduate grade point average of 3.0.

This dual-degree offering acknowledges the importance of the hospitality industry to the economy of Maine and the United States. This 5 year program prepares hospitality and tourism management students for advancement to upper management levels through course content taught by successful practitioners. This program of study provides the local hospitality industry with a much needed higher level of skilled personnel for their management teams. Combining the success of the undergraduate program with the academic strength of the MBA program, the student receives a highly marketable advanced dual degree in Hospitality and Tourism Management. Students will complete the program objectives for both the B.S. Hospitality and Tourism Management and the MBA - Hospitality Management degrees.

The following courses are required for this track:

General Education Courses
BA 211 Microeconomics 3
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<td>EH 123</td>
<td>Rhetoric and Composition I</td>
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<td>Approaches to Literature</td>
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**Suggested Course Sequence**

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**Second Year**

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**Third Year**

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**Fourth Year**

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Fifth Year

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*** Credit may not be required for degree completion.

Courses

HA 101. Intro to Hospitality Mgmt. 3 Hours. 
This survey of the hospitality industry will cover history, current practices, future of the industry, restaurant/food service operations, hotel/motel management, travel/tourism, managing in the service industry, operations management and personnel leadership.

HA 102. Basic Hospitality Internship. 3 Hours.
This internship is a college-supervised introduction to hospitality work experience at a participating industry property; course includes placement for a full summer. A journal and written assignments are required components of the internship experience (May-August). Prerequisite(s): HA 101.

HA 200. Tourism and Travel. 3 Hours.
This course is designed to expand the student's knowledge of Tourism and Travel by examining how the different sectors of Tourism and Travel work separately and in unison. Some of the aspects covered will include the economics, psychology and sustainability of travel and tourism.

HA 201. Food & Beverage Control Systems. 3 Hours.
Theory and practice of food preparation. Topics will include: importance of food preparation to restaurant success, food history, kitchen and restaurant cost controls, menu development, purchasing, receiving, equipment operation and maintenance, and basic food preparation and presentation.

HA 202. Facilities & Guest Services. 3 Hours.
In-depth study of operations of food and rooms divisions in the hospitality industry. Topics will include hiring, staff development, quality services, and ethics. Prerequisite(s): HA 101 and HA 201.

HA 203. Intermediate Hospitality Inter. 3 Hours.
This college-supervised internship builds on the previous one to insure that the student gains exposure to front line industry positions that are different from the previous internship experience. A journal and written assignments are required components of the internship experience (May-August). Prerequisite(s): HA 102.

HA 209. Menu Planning and Food Safety. 3 Hours.
This course undertakes a comprehensive exploration of the basic functions in contemporary food service management. The course examines menu management and food safety within the modern food service industry and may lead to Servsafe certification. Prerequisite(s): HA 201.

HA 211. Economics of Tourism. 3 Hours.
The purpose of this specialized course is to expand the student's knowledge in the fundamentals of the economic impact of tourism. In this 200 level course, the student will learn how to create value in tourism, who are the consumers of tourism and the impact of tourism on GDP. The student will visit a convention and visitors bureau and will prepare an impact project on an aspect on tourism on the local economy. Prerequisite(s): HA 101 and HA 200.

HA 299. Topic/. 3 Hours.
This course is intended to provide an intermediate course which is timely and based on the interests and needs of the students, faculty and the workplace environment. These courses would not normally be part of the Husson curriculum, but can be used to develop future courses.

HA 301. Supervision in Hospitality Management. 3 Hours.
This course will provide a framework for supervision combined with the responsibilities, skills, and tools necessary to improve the student's effectiveness as a supervisor.

HA 302. Hotel Operations. 3 Hours.
This course covers topics involved with creating and managing hospitality properties including building, design and operations of room and food operations. In this course students will write a business plan for a hospitality property.

HA 303. Event Planning and Management. 3 Hours.
The purpose of this specialized course is to expand the student's knowledge in the fundamentals of event management. In this junior level course, the student will learn that gatherings, meetings and events have been occurring for centuries. The student will visit an event center and will plan an event either actual or simulated from start to finish. Prerequisite(s): HA 101 and HA 200.

HA 311. Destination Management and Marketing. 3 Hours.
The purpose of this specialized course is to expand the student's knowledge of the marketing of Tourism and Travel. The student will learn how this industry uses destination marketing and management to guide the consumer to make more efficient use of their leisure time. Prerequisite(s): HA 101 and HA 200.

HA 401. Hospitality Internship. 3 Hours.
A College-supervised work experience course with participating hospitality properties; course includes placement for a full summer and fall semester.

HA 402. Leadership in Hospitality Management. 3 Hours.
In depth analysis of selected case studies affecting today's hospitality industry. Course emphasizes teamwork, hospitality sensitivity, critical reasoning and integration of skills. Prerequisite(s): HA 401.

HA 403. Advanced Hospitality Internship. 6 Hours.
Advanced Hospitality Internship-This college supervised work experience will provide the student with entry level management experience in the hospitality industry through placement in a hospitality property for a full summer or a fall and spring semester. Prerequisite(s): HA 401 and College Level=Senior.

HA 412. Sustainable Tourism. 3 Hours.
This course is designed to expand the student's understanding of the concepts and principles of the marketing and management of ecotourism activities and the development of sustainable growth in tourism sectors. Prerequisite(s): HA 101 and HA 200.
HA 499. Topic/. 1-3 Hour.
This course is designed to allow students and faculty the opportunity to research and design special projects within the Hospitality and Tourism Industries. The course enhances the student’s knowledge of Hospitality and Tourism Management by building on prior course work and experiential learning.

Minors

Hospitality and Tourism Management Minor
Adding a minor in Hospitality and Tourism Management to majors such as Accounting, Finance, Marketing, Retail, Sport and Small Family Business will greatly enhance the student’s customer service skill set as well as improve their marketability to be hired by the Hospitality and Tourism industry in their chosen major field of study.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA 101</td>
<td>Intro to Hospitality Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>HA 201</td>
<td>Food &amp; Beverage Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>HA 202</td>
<td>Facilities &amp; Guest Services</td>
<td>3</td>
</tr>
<tr>
<td>HA 301</td>
<td>Supervision in Hospitality Management</td>
<td>3</td>
</tr>
<tr>
<td>HA 302</td>
<td>Hotel Operations</td>
<td>3</td>
</tr>
<tr>
<td>HA 402</td>
<td>Leadership in Hospitality Management</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

All students seeking a minor within the School of Hospitality, Sport and Tourism Management must achieve a minimum grade point average of 2.0 in the courses relied upon for earning the designation.

Tourism and Recreation Minor
The minor in Tourism and Recreation Management prepares students to pursue career options in the tourism and outdoor recreation field. The minor provides basic knowledge of recreation, tourism and park services, and an understanding of the benefits of leisure and recreation in our society. To complete the minor, students must take 18 hours of required courses which will provide undergraduates with the opportunity to explore recreation, parks, and leisure services.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA 200</td>
<td>Tourism and Travel</td>
<td>3</td>
</tr>
<tr>
<td>HA 211</td>
<td>Economics of Tourism</td>
<td>3</td>
</tr>
<tr>
<td>HA 412</td>
<td>Sustainable Tourism</td>
<td>3</td>
</tr>
<tr>
<td>SM 202</td>
<td>Hospitality and Sport Facility Design and Management</td>
<td>3</td>
</tr>
<tr>
<td>SM 341</td>
<td>Recreational Programing and Event Management</td>
<td>3</td>
</tr>
<tr>
<td>SM 441</td>
<td>Outdoor Recreation Programming</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

* Fall Semester Course
** Spring Semester Course

Upon successful completion of the course, students will be able to:

1. develop an understanding of the competencies required to develop outdoor program in a variety of settings;
2. understand and apply basic outdoor programming terminology and the theories of outdoor and adventure-based programming;
3. recognize the philosophical basis and values of outdoor and adventure-based programming to the individual;
4. to increase understanding of natural resource management, ecosystem management, outdoor recreation, tourism, visitor management, and the relationships among them;
5. describe the management focus of the federal agencies responsible for managing wilderness and back-country recreation lands;
6. develop an understanding of theories and practical programming methods that are relevant to the delivery of quality outdoor and adventure-based programming within any agency; and
7. propose, plan, execute, and evaluate an outdoor and adventure-based program and/or special events

Legal Studies
The undergraduate Legal Studies major, leading to a B.S. degree in Legal Studies with a Pre-Law Concentration, offers a wide range of civil and criminal law courses through which students learn legal analytic and problem solving, as well as critical reading, writing, communication, and research skills. Students in the Legal Studies program with a Pre-Law Concentration will have completed a curriculum based upon the American Bar Association Core Skills and Values and will be particularly prepared for the rigors of the law school curriculum.

Program courses include Criminal Law, Real Estate Law, Probate Law, Civil Litigation, Alternative Dispute Resolution, Business Law, Workers’ Compensation, Ethics, Torts, and Family Law.

B.S. Legal Studies - Pre-Law
The Bachelor of Science in Legal Studies with a Pre-Law Concentration requires 122 semester hours including Husson University’s General Education requirements as well as Legal Studies, Business, and related courses. It is designed to provide students with skills for success in the legal field and specific preparation for the rigors of the law school curriculum. While the American Bar Association does not recommend any particular majors or courses for undergraduate education prior to law school, it does set forth Core Skills and Values for a Pre-Law education. Students in the Legal Studies program earning a Pre-Law Concentration will have completed a curriculum which has the American Bar Association Core Skills and Values as its foundation.

The program objectives for the B.S. Legal Studies with a Pre-Law Concentration are:

- To demonstrate excellent or outstanding understanding of the key concepts of the Legal Profession by:
  - Critical Thinking Skills
  - Organizational Skills
  - Communication Skills
  - Legal Research Skills
  - Legal Writing Skills
  - Interviewing and Investigation Skills
  - Law Office Management Skills
  - Demonstrating professionalism
  - Using legal terminology correctly
  - Working effectively with the courts
• Becoming proficient with computer technology, software and database

• To demonstrate excellent or outstanding ability to apply ethical decision-making skills and integrity in an ever changing global environment.

• To demonstrate excellent or outstanding ability to produce and present effective oral and written forms of communication.

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AC 120</td>
<td>Introduction to Accounting</td>
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<tr>
<td>BA 201</td>
<td>Business Law I</td>
<td>3</td>
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<tr>
<td>BA 202</td>
<td>Business Law II</td>
<td>3</td>
</tr>
<tr>
<td>BA 210</td>
<td>Economics Overview for Non-Business Majors</td>
<td>3</td>
</tr>
<tr>
<td>BA 311</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
</tr>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I *</td>
<td>3</td>
</tr>
<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II *</td>
<td>3</td>
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<td>HE 111</td>
<td>The Husson Experience</td>
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<tr>
<td>HY 211</td>
<td>American National Government</td>
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<td>MS 131</td>
<td>Logic and Problem Solving</td>
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<td>MS 141</td>
<td>Contemporary College Algebra</td>
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<td>PH 110</td>
<td>Introduction to Ethics</td>
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<tr>
<td>PY 111</td>
<td>General Psychology</td>
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<tr>
<td>PY 232</td>
<td>Abnormal Psychology</td>
<td>3</td>
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<tr>
<td>SY 201</td>
<td>Principles of Sociology</td>
<td>3</td>
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<tr>
<td></td>
<td>Fine Arts Elective</td>
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<td></td>
<td>Foreign Culture and Conversation Elective</td>
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<td>Open Elective</td>
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<tr>
<td></td>
<td>SC Science Elective with Lab</td>
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Professional Courses

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<tr>
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<tbody>
<tr>
<td>CJ 225</td>
<td>Criminal Procedure</td>
<td>3</td>
</tr>
<tr>
<td>PL 100</td>
<td>Intro to Legal Studies *</td>
<td>3</td>
</tr>
<tr>
<td>PL 200</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>PL 201</td>
<td>Real Estate Law</td>
<td>3</td>
</tr>
<tr>
<td>PL 203</td>
<td>Civil Litigation *</td>
<td>3</td>
</tr>
<tr>
<td>PL 204</td>
<td>Introduction to Wills, Estates, and Trusts *</td>
<td>3</td>
</tr>
<tr>
<td>PL 205</td>
<td>Legal Research and Writing *</td>
<td>3</td>
</tr>
<tr>
<td>PL 301</td>
<td>Torts</td>
<td>3</td>
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<tr>
<td>PL 302</td>
<td>Family Law</td>
<td>3</td>
</tr>
<tr>
<td>PL 303</td>
<td>Alternative Dispute Resolution</td>
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</tr>
<tr>
<td>PL 304</td>
<td>Alternative Dispute Resolution II</td>
<td>3</td>
</tr>
<tr>
<td>PL 305</td>
<td>Legal Ethics</td>
<td>3</td>
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<tr>
<td>PL 309</td>
<td>Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>PL 400</td>
<td>Evidence</td>
<td>3</td>
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<tr>
<td>PL 403</td>
<td>Advanced Legal Writing</td>
<td>3</td>
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<tr>
<td>PL 404</td>
<td>Civil Litigation II</td>
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<tr>
<td>PL 405</td>
<td>Workers Compensation</td>
<td>3</td>
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<tr>
<td>PL 407</td>
<td>Legal Studies Capstone *</td>
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</tr>
<tr>
<td>PL 498</td>
<td>Paralegal Internship *</td>
<td>3-9</td>
</tr>
</tbody>
</table>

Total Hours: 122-128

* "C" or better required in all courses marked

Credit may not be required for degree completion
Courses

PL 100. Intro to Legal Studies. 3 Hours.
This course is designed to educate students in the American legal system focusing on the origins and history of the American legal system, the meaning and application of important legal terminology, and attorney and paralegal ethics.

PL 200. Criminal Law. 3 Hours.
The substantive goal of this course is to cover the basic principles of criminal law, including the common law of crimes as well as the Maine Criminal Code and the Model Penal Code. The methodological role of the course is that of statutory construction - the techniques of applying legislative enactments to varying fact situations in light of text, history, purpose and structural context. All of this will proceed with the underlying assumption that it is always necessary to judge rules of law according to their effectiveness and desirability.

PL 201. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

PL 203. Civil Litigation. 3 Hours.
A survey of civil litigation issues covering the concepts and procedural rules designed to proceed from the initial client interview through trial. The student will gain a basic understanding of federal and Maine procedural rules and substantive law. In addition, the student will learn about the following: types of litigation, negligence cases, collection cases, commercial litigation, preparation of pleadings, discovery and settlements.

PL 204. Introduction to Wills, Estates, and Trusts. 3 Hours.
This course examines the general theory and procedures, legal and administrative, employed in the preparation and handling of wills, trusts, and estates. This course will prepare students to understand the basic concepts in the field and be able to apply these concepts to perform the tasks of a probate paralegal.

PL 205. Legal Research and Writing. 3 Hours.
This course introduces manual legal research including understanding legal citations, primary and secondary authorities, federal and state reporters, Shepardizing, and other research tools. Use of the Penobscot County Law Library is mandatory. Finally, students will explore the basic of legal writing including legal correspondence and legal memoranda. Prerequisite(s): PL 100 or Major=BS English - Prelaw.

PL 299. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer introductory courses in paralegal studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

PL 301. Torts. 3 Hours.
Topics may vary from year to year, but will generally include a detailed treatment of defamation and privacy, and the torts relating to the intentional infliction of purely economic loss. Contemporary issues in the law of negligence (i.e. liability in negligence for purely economic loss; actions for wrongful birth and wrongful life); and new applications of the law of trespass, with implications for civil liberties and privacy; for regulating non-consensual medical procedures; and for intervening in abusive domestic relationships. Prerequisite(s): PL 205.

PL 302. Family Law. 3 Hours.
Family law covers all major subjects from marriage, divorce, child procreation and support, and child abuse and neglect. Our study includes a look at the economics of marriage and divorce, as well as some of the most cutting edge social and even scientific issues in the news. The main purpose of this course is to introduce major terms, topics, and issues. Prerequisite(s): PL 205 or Major=BS English - Prelaw.

PL 303. Alternative Dispute Resolution. 3 Hours.
This course is designed in response to an area of the law that is growing, and offers students practical instruction to assist in their future job placements. The course treats the full range of modern dispute resolution from inaction through mediation, arbitration, litigation and private judging. Looking at the full range of conflict resolution options, class inquiry will focus on the selection of the appropriate resolution process for a given case. Class discussions and problem solving will follow a concept-example, concept problem, and concept example-problem format. Prerequisite(s): PL 100 or Major=BS English - Prelaw.

PL 304. Alternative Dispute Resolution II. 3 Hours.
This course is a continuation of PL 303 which is designed in response to an area of the law that is growing, and offers students practical instruction to assist in their future job placements. The course explores in more depth the full range of modern dispute resolution with a focus on conflict resolution skills, including mediation. Class discussions and problem solving will follow a concept-example, concept problem, and concept examples-problem format. Prerequisite(s): PL 303.

PL 305. Legal Ethics. 3 Hours.
This course will cover the nature of the ethical responsibilities of a paralegal working in a law office, as well as the limits on independent practice. It will cover the Maine Code of Professional Responsibility as well as the ABA Model Rules and Code. Prerequisite(s): PL 100 or Major=BS English - Prelaw.

PL 309. Constitutional Law. 3 Hours.
This course will explore the First, Second, Fourth, Fifth, Sixth, Eighth and Fourteenth Amendments of the Constitution through reading of case law and real life examples. Students will understand the arguments that exist for persons involved in civil and criminal matters from the Constitution. Prerequisite(s): PL 200.

PL 400. Evidence. 3 Hours.
This course will present the basic principles of the law of evidence as expressed in the Federal Rules of Evidence and the Maine Rules of Evidence. The student will develop the ability to read and apply a rule of evidence to specific information and circumstances. An emphasis will be placed on learning how the Federal & Maine Rules of Evidence effect trial preparation, negotiation, and trial. Participatory role play and discussion of hypothetical situations will constitute a significant part of the learning experience. Prerequisite(s): Major=AS Paralegal or Major=BS Paralegal or Major=AS Criminal Justice or Major=BS Criminal Justice or Major=BS English - Prelaw.

PL 401. Domestic Violence Law. 3 Hours.
This course introduces domestic violence law from an interdisciplinary perspective and offers a contemporary view of the criminal justice and paralegal experience with diverse forms of violence and populations. Comprehensive inclusion of violence perpetrated in a variety of gender and age relationships; dating violence; sibling abuse; rape and incest; child and elder abuse and neglect; male battering; lesbian and gay violence; and violence against women. Prerequisite(s): CJ 101 or PL 100 or Major=BS English - Prelaw.
PL 403. Advanced Legal Writing. 3 Hours.
Cultivating analytical research and writing skills through problem-based learning is the aim of this course. Actual factual situations will be used to hone skills such as: identification of legal issues; research strategy and methodology formulation; use of relevant secondary sources; integration of print sources with non-print sources (electronic databases, CD-ROMs and the Internet); analyzing and synthesizing primary sources that are applicable; critical thinking applications; and writing clearly, concisely, logically and effectively. Skill development in these areas will assist students in their academic course work and prepare them for their professional careers. Prerequisite(s): PL 205 or Major=BS English - Prelaw.

PL 404. Civil Litigation II. 3 Hours.
The objective of the course is to familiarize the student with Discovery and Trial preparation, identifying legal elements of a case, Rules of Civil Procedure, Rules of Evidence, interviewing witnesses, obtaining evidence, Interrogatories, depositions, medical records and organizing evidence for trial, all with an emphasis on Maine Law. Prerequisite(s): PL 203.

PL 405. Workers Compensation. 3 Hours.
Study of the nature, development and exclusive nature of worker compensation and concepts. Topics include: arising out of employment, personal injury by accident, disease, employment status, specific inclusions or exemptions, benefits, employee and employer misconduct, third party action, adjective law, conflict of laws, insurance, and relation to other kinds of wage-loss protection. Prerequisite(s): PL 205 and PL 203.

PL 407. Legal Studies Capstone. 3 Hours.
This capstone course provides students with an opportunity to engage in advanced analysis, research and writing projects, integrating prior course work and further developing paralegal skills. Students will prepare a portfolio of documents, essays and projects that demonstrate core competencies. Job search strategies and continuing education opportunities will be discussed. Students will prepare for and complete a comprehensive, substantive assessment after review of various content areas. Prerequisite(s): (PL 100 or Major=BS English - Prelaw) and PL 203 and PL 205.

PL 498. Paralegal Internship. 3-9 Hours.
This course will require a student to serve as an intern with a professional in a work setting that requires and develops both legal knowledge and skills in a work setting for at least 120 hours during the semester. This internship provides students with a unique way to gain real life experience in the legal arena in combination with acquiring course credit. Prerequisite(s): ((PL 100 and PL 200 and PL 203 and PL 204 and PL 205) and ( College Level=Junior or College Level=Senior)) or Major=BS English - Prelaw.

PL 499. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer advanced courses in paralegal studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

Programs in Paralegal Studies
Students may choose from the following program offerings in Paralegal Studies:
- B.S. Paralegal Studies
- A.S. Paralegal Studies
- Paralegal Studies Certificate
- Advanced Civil Practice Paralegal Certificate
- Advanced Criminal Practice Paralegal Certificate

Features of the Program
Paralegals are equipped with skills to allow them to participate as a member of the legal team in law offices, courts, corporations, government agencies and private consulting firms. They carry out legal research, write reports, and assist attorneys on a regular basis. They must be focused and familiar with the various areas of law including criminal law, torts, contracts and property law.

The title of paralegal is interchangeable with legal assistant and legal secretary. Students will learn how to perform the following tasks:
- Conducting client interviews and maintaining contact with clients
- Locate and interview witnesses
- Conduct investigations and statistical and documentary research
- Conduct legal research
- Draft legal documents and correspondence
- Analyze and summarize testimony, medical records and discovery documents
- Attend real estate closing, depositions, administrative court hearings, and execution of wills
- Assist lawyers in preparing for depositions, hearings, closings and trials.

Paralegal Studies students will also master the skills of:
- Communicating effectively
- Demonstrating professionalism
- Using legal terminology correctly
- Working effectively with the courts
- Becoming proficient with computer technology, software and database

Requirements for Paralegal Majors

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC 120</td>
<td>Introduction to Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BA 101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BA 311</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
</tr>
<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
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</tr>
<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
</tr>
<tr>
<td>HY 211</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>MI 214</td>
<td>Microcomputer Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td>MS 131</td>
<td>Logic and Problem Solving</td>
<td>3</td>
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<tr>
<td>PL 100</td>
<td>Intro to Legal Studies</td>
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</tr>
<tr>
<td>PL 200</td>
<td>Criminal Law</td>
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<tr>
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<tr>
<td>PL 204</td>
<td>Introduction to Wills, Estates, and Trusts</td>
<td>3</td>
</tr>
<tr>
<td>PL 205</td>
<td>Legal Research and Writing</td>
<td>3</td>
</tr>
<tr>
<td>PL 301</td>
<td>Torts</td>
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Required for B.S. degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PL 302</td>
<td>Family Law</td>
<td>3</td>
</tr>
</tbody>
</table>

Required for B.S. degree
Candidates for an Associate in Science degree are required to complete a minimum of 30 credits at Husson University. At least 15 credits must be earned in paralegal studies courses.

Candidates for a Bachelor of Science degree are required to complete a minimum of 122 semester credit hours maintaining a 2.0 overall cumulative grade-point average. Transfer students must complete a minimum of 30 credits at Husson University. At least 15 credits must be earned in paralegal studies courses.

Courses

PL 100. Intro to Legal Studies. 3 Hours.
This course is designed to educate students in the American legal system focusing on the origins and history of the American legal system, the meaning and application of important legal terminology, and attorney and paralegal ethics.

PL 200. Criminal Law. 3 Hours.
The substantive goal of this course is to cover the basic principles of criminal law, including the common law of crimes as well as the Maine Criminal Code and the Model Penal Code. The methodological role of the course is that of statutory construction - the techniques of applying legislative enactments to varying fact situations in light of text, history, purpose and structural context. All of this will proceed with the underlying assumption that it is always necessary to judge rules of law according to their effectiveness and desirability.

PL 201. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

PL 203. Civil Litigation. 3 Hours.
A survey of civil litigation issues covering the concepts and procedural rules designed to proceed from the initial client interview through trial. The student will gain a basic understanding of federal and Maine procedural rules and substantive law. In addition, the student will learn about the following: types of litigation, negligence cases, collection cases, commercial litigation, preparation of pleadings, discovery and settlements.

PL 204. Introduction to Wills, Estates, and Trusts. 3 Hours.
This course examines the general theory and procedures, legal and administrative, employed in the preparation and handling of wills, trusts, and estates. This course will prepare students to understand the basic concepts in the field and be able to apply these concepts to perform the tasks of a probate paralegal.

PL 205. Legal Research and Writing. 3 Hours.
This course introduces manual legal research including understanding legal citations, primary and secondary authorities, federal and state reporters, Shepardizing, and other research tools. Use of the Penobscot County Law Library is mandatory. Finally, students will explore the basic of legal writing including legal correspondence and legal memoranda. Prerequisite(s): PL 100 or Major=BS English - Prelaw.

PL 299. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer introductory courses in paralegal studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

PL 301. Torts. 3 Hours.
Topics may vary from year to year, but will generally include a detailed treatment of defamation and privacy, and the torts relating to the intentional infliction of purely economic loss. Contemporary issues in the law of negligence (i.e. liability in negligence for purely economic loss; actions for wrongful birth and wrongful life); and new applications of the law of trespass, with implications for civil liberties and privacy; for regulating non-consensual medical procedures; and for intervening in abusive domestic relationships. Prerequisite(s): PL 205.

PL 302. Family Law. 3 Hours.
Family law covers all major subjects from marriage, divorce, child procreation and support, and child abuse and neglect. Our study includes a look at the economics of marriage and divorce, as well as some of the most cutting edge social and even scientific issues in the news. The main purpose of this course is to introduce major terms, topics, and issues. Prerequisite(s): PL 205 or Major=BS English - Prelaw.

PL 303. Alternative Dispute Resolution. 3 Hours.
This course is designed in response to an area of the law that is growing, and offers students practical instruction to assist in their future job placements. The course treats the full range of modern dispute resolution from inaction through mediation, arbitration, litigation and private judging. Looking at the full range of conflict resolution options, class inquiry will focus on the selection of the appropriate resolution process for a given case. Class discussions and problem solving will follow a concept-example, concept problem, and concept example-problem format. Prerequisite(s): PL 100 or Major=BS English - Prelaw.

PL 304. Alternative Dispute Resolution II. 3 Hours.
This course is a continuation of PL 303 which is designed in response to an area of the law that is growing, and offers students practical instruction to assist in their future job placements. The course explores in more depth the full range of modern dispute resolution with a focus on conflict resolution skills, including mediation. Class discussions and problem solving will follow a concept-example, concept problem, and concept examples-problem format. Prerequisite(s): PL 303.

PL 305. Legal Ethics. 3 Hours.
This course will cover the nature of the ethical responsibilities of a paralegal working in a law office, as well as the limits on independent practice. It will cover the Maine Code of Professional Responsibility as well as the ABA Model Rules and Code. Prerequisite(s): PL 100 or Major=BS English - Prelaw.
PL 309. Constitutional Law. 3 Hours.
This course will explore the First, Second, Fourth, Fifth, Sixth, Eighth and Fourteenth Amendments of the Constitution through reading of case law and real life examples. Students will understand the arguments that exist for persons involved in civil and criminal matters from the Constitution. Prerequisite(s): PL 200.

PL 400. Evidence. 3 Hours.
This course will present the basic principles of the law of evidence as expressed in the Federal Rules of Evidence and the Maine Rules of Evidence. The student will develop the ability to read and apply a rule of evidence to specific information and circumstances. An emphasis will be placed on learning how the Federal & Maine Rules of Evidence effect trial preparation, negotiation, and trial. Participatory role play and discussion of hypothetical situations will constitute a significant part of the learning experience. Prerequisite(s): Major=AS Paralegal or Major=BS Paralegal or Major=AS Criminal Justice or Major=BS Criminal Justice or Major=BS English - Prelaw.

PL 401. Domestic Violence Law. 3 Hours.
This course introduces domestic violence law from an interdisciplinary perspective and offers a contemporary view of the criminal justice and paralegal experience with diverse forms of violence and populations. Comprehensive inclusion of violence perpetrated in a variety of gender and age relationships; dating violence; sibling abuse; rape and incest; child and elder abuse and neglect; male battering; lesbian and gay violence; and violence against women. Prerequisite(s): CJ 101 or PL 100 or Major=BS English - Prelaw.

PL 403. Advanced Legal Writing. 3 Hours.
Cultivating analytical research and writing skills through problem-based learning is the aim of this course. Actual factual situations will be used to hone skills such as: identification of legal issues; research strategy and methodology formulation; use of relevant secondary sources; integration of print sources with non-print sources (electronic databases, CD-ROMs and the Internet); analyzing and synthesizing primary sources that are applicable; critical thinking applications; and writing clearly, concisely, logically and effectively. Skill development in these areas will assist students in their academic course work and prepare them for their professional careers. Prerequisite(s): PL 205 or Major=BS English - Prelaw.

PL 404. Civil Litigation II. 3 Hours.
The objective of the course is to familiarize the student with Discovery and Trial preparation, identifying legal elements of a case, Rules of Civil Procedure, Rules of Evidence, interviewing witnesses, obtaining evidence, Interrogatories, depositions, medical records and organizing evidence for trial, all with an emphasis on Maine Law. Prerequisite(s): PL 203.

PL 405. Workers Compensation. 3 Hours.
Study of the nature, development and exclusive nature of worker compensation and concepts. Topics include: arising out of employment, personal injury by accident, disease, employment status, specific inclusions or exemptions, benefits, employee and employer misconduct, third party action, adjective law, conflict of laws, insurance, and relation to other kinds of wage-loss protection. Prerequisite(s): PL 205 and PL 203.

PL 407. Legal Studies Capstone. 3 Hours.
This capstone course provides students with an opportunity to engage in advanced analysis, research and writing projects, integrating prior course work and further developing paralegal skills. Students will prepare a portfolio of documents, essays and projects that demonstrate core competencies. Job search strategies and continuing education opportunities will be discussed. Students will prepare for and complete a comprehensive, substantive assessment after review of various content areas. Prerequisite(s): (PL 100 or Major=BS English - Prelaw) and PL 203 and PL 205.

PL 498. Paralegal Internship. 3-9 Hours.
This course will require a student to serve as an intern with a professional in a work setting that requires and develops both legal knowledge and approaches to problem identification, analysis, and critical thinking. The student will be evaluated by both the internship supervisor and the professional from the work setting. The student is required to be in the work setting for at least 120 hours during the semester. This internship provides students with a unique way to gain real life experience in the legal arena in combination with acquiring course credit. Prerequisite(s): ((PL 100 and PL 200 and PL 203 and PL 204 and PL 205) and (College Level=Junior or College Level=Senior)) or Major=BS English - Prelaw.

PL 499. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer advanced courses in paralegal studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

B.S. Paralegal Studies

This program will make graduates highly competitive for careers in Law offices, corporations, government and other legal related fields. Bachelor of Science in Paralegal Studies students are expected to complete 122 credit hours of course work and related activity in the Bachelor of Science program. This program provides both a strong core of professional courses as well as a varied liberal arts background. This program will prepare graduates for entry level positions and also for future advancement to leadership positions in the profession. After students complete two years of course work, they will be eligible to do internships in agencies, offices, courts and businesses for hands-on experiential learning in the field.

The program objectives for the B.S. Paralegal Studies degree are:

• To demonstrate excellent or outstanding understanding of the key concepts of the Legal Profession by applying the skills of:
  • Critical Thinking
  • Organizational
  • Communication
  • Legal Research
  • Legal Writing
  • Interviewing and Investigation
  • Law Office Management
  • Professionalism
  • Use of legal terminology
  • Court procedure
  • Computer proficiency

• To demonstrate excellent or outstanding ability to apply ethical decision-making skills and integrity in an ever changing global environment.
To demonstrate excellent or outstanding ability to produce and present effective oral and written forms of communication.

**General Education Courses**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>BA 211</td>
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<td>EH 200</td>
<td>Approaches to Literature</td>
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<td>HY 211</td>
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<td>Microcomputer Spreadsheet Applications</td>
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<td>MS 131</td>
<td>Logic and Problem Solving</td>
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<td>Contemporary College Algebra</td>
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<td>PH 110</td>
<td>Introduction to Ethics</td>
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<td>PY 111</td>
<td>General Psychology</td>
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<td>PY 232</td>
<td>Abnormal Psychology</td>
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<td>SC</td>
<td>Science Elective with Lab</td>
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<tr>
<td>SY 201</td>
<td>Principles of Sociology</td>
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<td>Fine Arts Elective</td>
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Co-curricular activity and community service experience are required.

**Professional Courses**

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<td>Real Estate Law *</td>
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<td>Alternative Dispute Resolution</td>
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<td>PL 403</td>
<td>Advanced Legal Writing</td>
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<td>PL 407</td>
<td>Legal Studies Capstone *</td>
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**Total Hours:** 122

**Suggested Course Sequence**

**First Year**

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<th>Fall</th>
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<tr>
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**Second Year**

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<td>3</td>
<td>CJ 225</td>
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<tr>
<td>PL 203 *</td>
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<td>PL 302</td>
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**Third Year**

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<tr>
<td>BA 211</td>
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<td>PL 305</td>
<td>3</td>
<td>BA 311</td>
<td>3</td>
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<td>SY 201</td>
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<td>PL 403</td>
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<td>CJ 309</td>
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<td>Paralegal Elective</td>
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<td>PL 301</td>
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<td>Lab Science Elective</td>
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**Fourth Year**

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<td>PL 303</td>
<td>3</td>
<td>PL 405</td>
<td>3</td>
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<tr>
<td>PY 232</td>
<td>3</td>
<td>PL 407 *</td>
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<tr>
<td>Fine Arts Elective</td>
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<td>PL 498 *</td>
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<td>Foreign Culture and Conversation Elective</td>
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**Total Hours: 122**

* “C” or better in all courses marked

*** Credit may not be required for degree completion.

**Courses**

*PL 100. Intro to Legal Studies. 3 Hours.*

This course is designed to educate students in the American legal system focusing on the origins and history of the American legal system, the meaning and application of important legal terminology, and attorney and paralegal ethics.
PL 200. Criminal Law. 3 Hours.
The substantive goal of this course is to cover the basic principles of criminal law, including the common law of crimes as well as the Maine Criminal Code and the Model Penal Code. The methodological role of the course is that of statutory construction - the techniques of applying legislative enactments to varying fact situations in light of text, history, purpose and structural context. All of this will proceed with the underlying assumption that it is always necessary to judge rules of law according to their effectiveness and desirability.

PL 201. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

PL 203. Civil Litigation. 3 Hours.
A survey of civil litigation issues covering the concepts and procedural rules designed to proceed from the initial client interview through trial. The student will gain a basic understanding of federal and Maine procedural rules and substantive law. In addition, the student will learn about the following: types of litigation, negligence cases, collection cases, commercial litigation, preparation of pleadings, discovery and settlements.

PL 204. Introduction to Wills, Estates, and Trusts. 3 Hours.
This course examines the general theory and procedures, legal and administrative, employed in the preparation and handling of wills, trusts, and estates. This course will prepare students to understand the basic concepts in the field and be able to apply these concepts to perform the tasks of a probate paralegal.

PL 205. Legal Research and Writing. 3 Hours.
This course introduces manual legal research including understanding legal citations, primary and secondary authorities, federal and state reporters, Shepardizing, and other research tools. Use of the Penobscot County Law Library is mandatory. Finally, students will explore the basic of legal writing including legal correspondence and legal memoranda. Prerequisite(s): PL 100 or Major=BS English - Prelaw.

PL 299. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer introductory courses in paralegal studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

PL 301. Torts. 3 Hours.
Topics may vary from year to year, but will generally include a detailed treatment of defamation and privacy, and the torts relating to the intentional infliction of purely economic loss. Contemporary issues in the law of negligence (i.e. liability in negligence for purely economic loss; actions for wrongful birth and wrongful life); and new applications of the law of trespass, with implications for civil liberties and privacy; for regulating non-consensual medical procedures; and for intervening in abusive domestic relationships. Prerequisite(s): PL 205.

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Family law covers all major subjects from marriage, divorce, child procreation and support, and child abuse and neglect. Our study includes a look at the economics of marriage and divorce, as well as some of the most cutting edge social and even scientific issues in the news. The main purpose of this course is to introduce major terms, topics, and issues. Prerequisite(s): PL 205 or Major=BS English - Prelaw.

PL 303. Alternative Dispute Resolution. 3 Hours.
This course is designed in response to an area of the law that is growing, and offers students practical instruction to assist in their future job placements. The course treats the full range of modern dispute resolution from inaction through mediation, arbitration, litigation and private judging. Looking at the full range of conflict resolution options, class inquiry will focus on the selection of the appropriate resolution process for a given case. Class discussions and problem solving will follow a concept-example, concept problem, and concept example-problem format. Prerequisite(s): PL 100 or Major=BS English - Prelaw.

PL 304. Alternative Dispute Resolution II. 3 Hours.
This course is a continuation of PL 303 which is designed in response to an area of the law that is growing, and offers students practical instruction to assist in their future job placements. The course explores in more depth the full range of modern dispute resolution with a focus on conflict resolution skills, including mediation. Class discussions and problem solving will follow a concept-example, concept problem, and concept examples-problem format. Prerequisite(s): PL 303.

PL 305. Legal Ethics. 3 Hours.
This course will cover the nature of the ethical responsibilities of a paralegal working in a law office, as well as the limits on independent practice. It will cover the Maine Code of Professional Responsibility as well as the ABA Model Rules and Code. Prerequisite(s): PL 100 or Major=BS English - Prelaw.

PL 309. Constitutional Law. 3 Hours.
This course will explore the First, Second, Fourth, Fifth, Sixth, Eighth and Fourteenth Amendments of the Constitution through reading of case law and real life examples. Students will understand the arguments that exist for persons involved in civil and criminal matters from the Constitution. Prerequisite(s): PL 200.

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This course will present the basic principles of the law of evidence as expressed in the Federal Rules of Evidence and the Maine Rules of Evidence. The student will develop the ability to read and apply a rule of evidence to specific information and circumstances. An emphasis will be placed on learning how the Federal & Maine Rules of Evidence effect trial preparation, negotiation, and trial. Participatory role play and discussion of hypothetical situations will constitute a significant part of the learning experience. Prerequisite(s): Major=AS Paralegal or Major=BS Paralegal or Major=AS Criminal Justice or Major=BS Criminal Justice or Major=BS English - Prelaw.

PL 401. Domestic Violence Law. 3 Hours.
This course introduces domestic violence law from an interdisciplinary perspective and offers a contemporary view of the criminal justice and paralegal experience with diverse forms of violence and populations. Comprehensive inclusion of violence perpetrated in a variety of gender and age relationships; dating violence; sibling abuse; rape and incest; child and elder abuse and neglect; male battering; lesbian and gay violence; and violence against women. Prerequisite(s): CJ 101 or PL 100 or Major=BS English - Prelaw.
PL 403. Advanced Legal Writing. 3 Hours.
Cultivating analytical research and writing skills through problem-based learning is the aim of this course. Actual factual situations will be used to hone skills such as: identification of legal issues; research strategy and methodology formulation; use of relevant secondary sources; integration of print sources with non-print sources (electronic databases, CD-ROMs and the Internet); analyzing and synthesizing primary sources that are applicable; critical thinking applications; and writing clearly, concisely, logically and effectively. Skill development in these areas will assist students in their academic course work and prepare them for their professional careers. Prerequisite(s): PL 205 or Major=BS English - Prelaw.

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PL 498. Paralegal Internship. 3-9 Hours.
This course will require a student to serve as an intern with a professional in a work setting that requires and develops both legal knowledge and approaches to problem identification, analysis, and critical thinking. The student will be evaluated by both the internship supervisor and the professional from the work setting. The student is required to be in the work setting for at least 120 hours during the semester. This internship provides students with a unique way to gain real life experience in the legal arena in combination with acquiring course credit. Prerequisite(s): (PL 100 and PL 200 and PL 203 and PL 204 and PL 205) and (College Level=Junior or College Level=Senior)) or Major=BS English - Prelaw.

PL 499. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer advanced courses in paralegal studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

A.S. Paralegal Studies

Associate of Science in Paralegal Studies students are expected to complete 61 credit hours of course work and related activity in the Associate of Science program. This program emphasizes professional courses and provides a foundation in accounting, microcomputing, writing, and communication. After students complete one year of course work, they will be eligible to do internships in agencies, offices, courts and businesses for hands-on experiential learning in the field. This program will prepare graduates for entry level positions in the profession. Students have the opportunity to choose one upper level elective course as they progress through the program.

The program objectives for the A.S. Paralegal Studies are:

- To demonstrate excellent or outstanding understanding of the key concepts of the Legal Profession by:
  - Critical Thinking Skills
  - Organizational Skills
  - Legal Research Skills
  - Legal Writing Skills
  - Demonstrating professionalism
  - Using legal terminology correctly

- To demonstrate excellent or outstanding ability to apply ethical decision-making skills and integrity in an ever changing global environment.

- To demonstrate excellent or outstanding ability to produce and present effective oral and written forms of communication.

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<td>PH 110</td>
<td>Introduction to Ethics</td>
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<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
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<tr>
<td>PY 111</td>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>SY 201</td>
<td>Principles of Sociology</td>
<td>3</td>
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<tr>
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Open Elective

Total Hours: 62

Professional Courses

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<tr>
<td>PL 100</td>
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<tr>
<td>PL 200</td>
<td>Criminal Law</td>
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<tr>
<td>PL 201</td>
<td>Real Estate Law</td>
<td>3</td>
</tr>
<tr>
<td>PL 203</td>
<td>Civil Litigation</td>
<td>3</td>
</tr>
<tr>
<td>PL 204</td>
<td>Introduction to Wills, Estates, and Trusts</td>
<td>3</td>
</tr>
<tr>
<td>PL 205</td>
<td>Legal Research and Writing</td>
<td>3</td>
</tr>
<tr>
<td>PL 498</td>
<td>Paralegal Internship</td>
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Total Hours: 62

Suggested Course Sequence

First Year

<table>
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<tr>
<th>Course</th>
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<tr>
<td>BA 201</td>
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<td>EH 124</td>
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<td>HY 211</td>
<td>3</td>
<td>MI 214</td>
<td>3</td>
</tr>
<tr>
<td>PL 100</td>
<td>3</td>
<td>PL 200</td>
<td>3</td>
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</tbody>
</table>
PL 203. Civil Litigation. 3 Hours.
This course surveys civil litigation issues covering the concepts and procedural rules designed to proceed from the initial client interview through trial. The student will gain a basic understanding of federal and Maine procedural rules and substantive law. In addition, the student will learn about the following: types of litigation, negligence cases, collection cases, commercial litigation, preparation of pleadings, discovery and settlements.

PL 205. Legal Research and Writing. 3 Hours.
This course introduces manual legal research including understanding legal citations, primary and secondary authorities, federal and state reporters, Shepardizing, and other research tools. Use of the Penobscot County Law Library is mandatory. Finally, students will explore the basic of legal writing including legal correspondence and legal memoranda. Prerequisite(s): PL 100 or Major=BS English - Prelaw.

PL 299. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer introductory courses in paralegal studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

PL 300. Criminal Law. 3 Hours.
Family law covers all major subjects from marriage, divorce, child protection, and support, and child abuse and neglect. Our study includes a look at the economics of marriage and divorce, as well as some of the most cutting edge social and even scientific issues in the news. The main purpose of this course is to introduce major terms, topics, and issues. Prerequisite(s): PL 205 or Major=BS English - Prelaw.

PL 301. Torts. 3 Hours.
Topics may vary from year to year, but will generally include a detailed treatment of defamation and privacy, and the torts relating to the intentional infliction of purely economic loss. Contemporary issues in the law of negligence (i.e. liability in negligence for purely economic loss; actions for wrongful birth and wrongful life); and new applications of the law of trespass, with implications for civil liberties and privacy; for regulating non-consensual medical procedures; and for intervening in abusive domestic relationships. Prerequisite(s): PL 205.

PL 302. Family Law. 3 Hours.
Family law covers all major subjects from marriage, divorce, child protection, and support, and child abuse and neglect. Our study includes a look at the economics of marriage and divorce, as well as some of the most cutting edge social and even scientific issues in the news. The main purpose of this course is to introduce major terms, topics, and issues. Prerequisite(s): PL 205 or Major=BS English - Prelaw.

PL 303. Alternative Dispute Resolution. 3 Hours.
This course is designed in response to an area of the law that is growing, and offers students practical instruction to assist in their future job placements. The course treats the full range of modern dispute resolution from inaction through mediation, arbitration, litigation and private judging. Looking at the full range of conflict resolution options, class inquiry will focus on the selection of the appropriate resolution process for a given case. Class discussions and problem solving will follow a concept-example, concept problem, and concept example-problem format. Prerequisite(s): PL 100 or Major=BS English - Prelaw.

PL 304. Alternative Dispute Resolution II. 3 Hours.
This course is a continuation of PL 303 which is designed in response to an area of the law that is growing, and offers students practical instruction to assist in their future job placements. The course explores in more depth the full range of modern dispute resolution with a focus on conflict resolution skills, including mediation. Class discussions and problem solving will follow a concept-example, concept problem, and concept examples-problem format. Prerequisite(s): PL 303.

PL 305. Legal Ethics. 3 Hours.
This course will cover the nature of the ethical responsibilities of a paralegal working in a law office, as well as the limits on independent practice. It will cover the Maine Code of Professional Responsibility as well as the ABA Model Rules and Code. Prerequisite(s): PL 100 or Major=BS English - Prelaw.
PL 309. Constitutional Law. 3 Hours.
This course will explore the First, Second, Fourth, Fifth, Sixth, Eighth and Fourteenth Amendments of the Constitution through reading of case law and real life examples. Students will understand the arguments that exist for persons involved in civil and criminal matters from the Constitution. Prerequisite(s): PL 200.

PL 400. Evidence. 3 Hours.
This course will present the basic principles of the law of evidence as expressed in the Federal Rules of Evidence and the Maine Rules of Evidence. The student will develop the ability to read and apply a rule of evidence to specific information and circumstances. An emphasis will be placed on learning how the Federal & Maine Rules of Evidence effect trial preparation, negotiation, and trial. Participatory role play and discussion of hypothetical situations will constitute a significant part of the learning experience. Prerequisite(s): Major=AS Paralegal or Major=BS Paralegal or Major=AS Criminal Justice or Major=BS Criminal Justice or Major=BS English - Prelaw.

PL 401. Domestic Violence Law. 3 Hours.
This course introduces domestic violence law from an interdisciplinary perspective and offers a contemporary view of the criminal justice and paralegal experience with diverse forms of violence and populations. Comprehensive inclusion of violence perpetrated in a variety of gender and age relationships; dating violence; sibling abuse; rape and incest; child and elder abuse and neglect; male battering; lesbian and gay violence; and violence against women. Prerequisite(s): CJ 101 or PL 100 or Major=BS English - Prelaw.

PL 403. Advanced Legal Writing. 3 Hours.
Cultivating analytical research and writing skills through problem-based learning is the aim of this course. Actual factual situations will be used to hone skills such as: identification of legal issues; research strategy and methodology formulation; use of relevant secondary sources; integration of print sources with non-print sources (electronic databases, CD-ROMs and the Internet); analyzing and synthesizing primary sources that are applicable; critical thinking applications; and writing clearly, concisely, logically and effectively. Skill development in these areas will assist students in their academic course work and prepare them for their professional careers. Prerequisite(s): PL 205 or Major=BS English - Prelaw.

PL 404. Civil Litigation II. 3 Hours.
The objective of the course is to familiarize the student with Discovery and Trial preparation, identifying legal elements of a case, Rules of Civil Procedure, Rules of Evidence, interviewing witnesses, obtaining evidence, Interrogatories, depositions, medical records and organizing evidence for trial, all with an emphasis on Maine Law. Prerequisite(s): PL 203.

PL 405. Workers Compensation. 3 Hours.
Study of the nature, development and exclusive nature of worker compensation and concepts. Topics include: arising out of employment, personal injury by accident, disease, employment status, specific inclusions or exemptions, benefits, employee and employer misconduct, third party action, adjective law, conflict of laws, insurance, and relation to other kinds of wage-loss protection. Prerequisite(s): PL 205 and PL 203.

PL 407. Legal Studies Capstone. 3 Hours.
This capstone course provides students with an opportunity to engage in advanced analysis, research and writing projects, integrating prior course work and further developing paralegal skills. Students will prepare a portfolio of documents, essays and projects that demonstrate core competencies. Job search strategies and continuing education opportunities will be discussed. Students will prepare for and complete a comprehensive, substantive assessment after review of various content areas. Prerequisite(s): (PL 100 or Major=BS English - Prelaw) and PL 203 and PL 205.

PL 498. Paralegal Internship. 3-9 Hours.
This course will require a student to serve as an intern with a professional in a work setting that requires and develops both legal knowledge and approaches to problem identification, analysis, and critical thinking. The student will be evaluated by both the internship supervisor and the professional from the work setting. The student is required to be in the work setting for at least 120 hours during the semester. This internship provides students with a unique way to gain real life experience in the legal arena in combination with acquiring course credit. Prerequisite(s): ((PL 100 and PL 200 and PL 203 and PL 204 and PL 205) and ( College Level=Junior or College Level=Senior)) or Major=BS English - Prelaw.

PL 499. Topic. 3 Hours.
This course is intended to provide the opportunity to offer advanced courses in paralegal studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

Paralegal Certificate

The Paralegal Certificate Program provides students with an understanding of the basic areas of law. Many students entering this program are changing careers and returning as non-traditional students. As such, they may not be able to maintain a full-time course load, nor do they need to complete a full degree in Paralegal Studies to obtain a job in a law office. This program also meets the needs of students who are already practicing as paralegals, but their employers would like them to expand their knowledge base. This program will enable paralegal students to earn a certificate in the area of paralegal studies. Students will be required to complete 15 credit hours (5 courses). Students can who complete this Certificate can continue their studies with an Advanced Civil Practice or Advanced Criminal Practice Certificate.

<table>
<thead>
<tr>
<th>Required Courses</th>
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<tbody>
<tr>
<td>PL 100 Intro to Legal Studies</td>
</tr>
<tr>
<td>PL 205 Legal Research and Writing</td>
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<tr>
<td>Choose One of the Following</td>
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<tr>
<td>BA 201 Business Law I</td>
</tr>
<tr>
<td>PL 201 Real Estate Law</td>
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<tr>
<td>Choose One of the Following</td>
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<tr>
<td>PL 203 Civil Litigation</td>
</tr>
<tr>
<td>PL 200 Criminal Law</td>
</tr>
<tr>
<td>Choose One of the Following</td>
</tr>
<tr>
<td>PL 303 Alternative Dispute Resolution</td>
</tr>
<tr>
<td>PL 305 Legal Ethics</td>
</tr>
</tbody>
</table>

Total Hours 15
Candidates for a Certificate Paralegal Studies are required to complete a minimum of 15 semester credit hours maintaining a 2.0 overall cumulative grade point average.

Courses

PL 100. Intro to Legal Studies. 3 Hours.
This course is designed to educate students in the American legal system focusing on the origins and history of the American legal system, the meaning and application of important legal terminology, and attorney and paralegal ethics.

PL 200. Criminal Law. 3 Hours.
The substantive goal of this course is to cover the basic principles of criminal law, including the common law of crimes as well as the Maine Criminal Code and the Model Penal Code. The methodological role of the course is that of statutory construction - the techniques of applying legislative enactments to varying fact situations in light of text, history, purpose and structural context. All of this will proceed with the underlying assumption that it is always necessary to judge rules of law according to their effectiveness and desirability.

PL 201. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

PL 203. Civil Litigation. 3 Hours.
A survey of civil litigation issues covering the concepts and procedural rules designed to proceed from the initial client interview through trial. The student will gain a basic understanding of federal and Maine procedural rules and substantive law. In addition, the student will learn about the following: types of litigation, negligence cases, collection cases, commercial litigation, preparation of pleadings, discovery and settlements.

PL 204. Introduction to Wills, Estates, and Trusts. 3 Hours.
This course examines the general theory and procedures, legal and administrative, employed in the preparation and handling of wills, trusts, and estates. This course will prepare students to understand the basic concepts in the field and be able to apply these concepts to perform the tasks of a probate paralegal.

PL 205. Legal Research and Writing. 3 Hours.
This course introduces manual legal research including understanding legal citations, primary and secondary authorities, federal and state reporters, Sheparding, and other research tools. Use of the Penobscot County Law Library is mandatory. Finally, students will explore the basic of legal writing including legal correspondence and legal memoranda. Prerequisite(s): PL 100 or Major=BS English - Prelaw.

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PL 499. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer advanced courses in paralegal studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

Paralegal Certificate - Advanced Civil Practice
The Advanced Civil Practice Certificate Program provides Paralegal students with advanced instruction in civil litigation which will enable graduates to demonstrate at a higher level the competencies outlined by the American Association for Paralegal Education. Many students undertaking this program are changing careers and returning as non-traditional students. As such, they may not be able to maintain a full-time course load, nor do they need to complete a full degree in Paralegal Studies to obtain a job in a law office. This program also meets the needs of students who are already practicing as paralegals, but their employers would like them to expand their knowledge base. This program will enable paralegal students who have already earned a Paralegal Certificate to earn an advanced certificate in the area of civil litigation.

Required Courses
- PL 403 Advanced Legal Writing 3
- PL 404 Civil Litigation II 3
- Choose one of the Following
  - PL 302 Family Law 3
  - PL 405 Workers Compensation 3
- Choose one of the Following
  - BA 202 Business Law II 3
  - PL 304 Alternative Dispute Resolution II 3
- Choose one of the Following
  - PL 301 Torts 3
  - PL 400 Evidence 3
  - PL 407 Legal Studies Capstone 3
- PL 498 Paralegal Internship 3

Total Hours 15

Candidates for an Advanced Civil Practice Paralegal Certificate are required to complete a minimum of 15 semester credit hours maintaining a 2.0 overall cumulative grade point average. Successful completion of the Paralegal Certificate is required to enroll in this program.

Paralegal Certificate - Advanced Criminal Practice
The Advanced Criminal Practice Certificate Program provides Paralegal students with advanced instruction in criminal litigation which will enable graduates to demonstrate at a higher level the competencies outlined by the American Association for Paralegal Education. Many students undertaking this program are changing careers and returning as non-traditional students. As such, they may not be able to maintain a full-time course load, nor do they need to complete a full degree in Paralegal Studies to obtain a job in a law office. This program also meets the needs of students who are already practicing as paralegals, but their employers would like them to expand their knowledge base. This program will enable
paralegal students who have already earned a Paralegal Certificate to earn an advanced certificate in the area of criminal litigation.

Required Courses

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<th>Title</th>
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<td>PL 400</td>
<td>Evidence</td>
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<tr>
<td>PL 309</td>
<td>Constitutional Law</td>
<td>3</td>
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<tr>
<td>PL 403</td>
<td>Advanced Legal Writing</td>
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<td></td>
<td>Choose One of the Following</td>
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<tr>
<td>PL 303</td>
<td>Alternative Dispute Resolution</td>
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<td>CJ 225</td>
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<td>Choose One of the Following</td>
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<tr>
<td>PL 407</td>
<td>Legal Studies Capstone</td>
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</tr>
<tr>
<td>PL 498</td>
<td>Paralegal Internship</td>
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</tbody>
</table>

Total Hours 15

Candidates for an Advanced Criminal Practice Paralegal Certificate are required to complete a minimum of 15 semester credit hours maintaining a 2.0 overall cumulative grade point average. Successful completion of the Paralegal Certificate is required to enroll in this program.

Sport Management

Husson University’s Bachelor of Science in Sport Management, offered through the School of Hospitality, Sport, and Tourism Management in the College of Business, blends two distinct fields of study – sport and business administration – so as to prepare students for careers in this field.

The sport management curriculum emphasizes experiential learning through the practical assignments integrated into the sport management courses and Husson students are required to complete at least nine credit hours of internship experience with a sport organization. Additionally, through collaboration with the National Interscholastic Athletic Administrators Association (NIAAA), student will complete the academic requirements for the NIAAA’s Certified Athletic Administrator (CAA) and the Registered Athletic Administrator (RAA).

Students can pursue a B.S. Sport Management degree or combine the B.S. degree with an MBA to complete both degrees in 5 years. Students may also choose a minor in Coaching or Tourism and Recreation Management.

B.S. Sport Management

Students pursuing the B.S. Sport Management degree will be able to:

- Explain the major concepts in the functional areas of accounting, marketing, finance and management
- Evaluate the legal, social and economic environments of business
- Describe the global environment of business
- Apply ethical decision making skills and integrity in an ever-changing, global environment
- Demonstrate oral and written communication skills, appropriate to the profession
- Apply critical problem solving and professional skills in an experiential learning environment
- Demonstrate general and functional knowledge of Sport Management principles including: Behavioral Dimensions in Sport; Management and Organizational Skills in Sport; Governance and Legal Aspects in Sport; and Sustainability

In this program of study, students earn 121 credit hours, including 45 semester hours of required General Business courses and 39 semester hours of required Sport Management coursework in order to prepare for careers in this field. The continued success of our graduates is based upon a solid foundation of business and liberal arts knowledge combined with essential experiential learning activities.

General Education Courses

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
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<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
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<td>HE 111</td>
<td>The Husson Experience ***</td>
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<tr>
<td>MI 111</td>
<td>Introduction to Microcomputing</td>
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<tr>
<td></td>
<td>or MI 214 Microcomputer Spreadsheet Applications</td>
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<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
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<tr>
<td>MS 132</td>
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<td></td>
<td>or MS 232 Finite Mathematics</td>
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<tr>
<td>Communication Elective</td>
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<tr>
<td>Global Elective</td>
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<td>Fine Arts Elective</td>
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<td>Foreign Culture and Conversation Elective</td>
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<tr>
<td>Lab Science Elective</td>
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<td>Open Elective</td>
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<td>Co-curricular activity and/or community service</td>
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General Business Courses

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<tbody>
<tr>
<td>AC 121</td>
<td>Principles of Accounting I</td>
<td>3</td>
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<tr>
<td>AC 122</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>AC 211</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BA 101</td>
<td>Introduction to Business</td>
<td>3</td>
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<tr>
<td>BA 202</td>
<td>Business Law II</td>
<td>3</td>
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<tr>
<td>BA 211</td>
<td>Microeconomics</td>
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<tr>
<td>BA 212</td>
<td>Macroeconomics</td>
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</tr>
<tr>
<td>BA 302</td>
<td>Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>BA 310</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 321</td>
<td>Marketing Principles</td>
<td>3</td>
</tr>
<tr>
<td>BA 421</td>
<td>Integrated Marketing Communication and Advertising</td>
<td>3</td>
</tr>
<tr>
<td>HA 301</td>
<td>Supervision in Hospitality Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 362</td>
<td>Financial Management I</td>
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Sport Management Courses

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<td>Introduction to Sport Law</td>
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<td>Hospitality and Sport Facility Design and Management</td>
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<td>Sport in Society</td>
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<td>Sports Ethics</td>
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<td>Sport Marketing</td>
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<td>SM 409</td>
<td>Leadership in Sports Organizations</td>
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*** Credit may not be required for degree completion.

### Suggested Course Sequence

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#### Second Year

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#### Third Year

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#### Fourth Year

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| SM 496        | 3     | HSTM Elective | 3     |

|               | 15    | 15           |       |

| Total Hours: 122 |

### Courses

**SM 101. Intro to Sport Management. 3 Hours.**
Historical and philosophical aspects of sports management are covered together with an overview of current issues, and career opportunities in sports management. Students will formulate personal and career goals. Prerequisite(s): Major=BS Bus Ad - Sport Mgmt or Major=BS Sport Management.

**SM 201. Introduction to Sport Law. 3 Hours.**
This course provides students with a basic knowledge of the principles of law that regulate both the amateur and professional sports industries. In addition, students will become familiar with legal principles relating to contracts and property. The course materials will be taken primarily from sport and will concentrate on the many legal issues that regulate this unique industry. Special emphasis will be placed on the risks of litigation.

**SM 202. Hospitality and Sport Facility Design and Management. 3 Hours.**
This course is designed to introduce students to facility design and management in the hospitality and sport industry. The course will investigate theories and concepts utilized in the planning, construction, and management of new and existing hospitality and sport facilities as well as guidelines for evaluating the sustainability and life cycle of existing facilities.

**SM 203. Sport in Society. 3 Hours.**
This course is intended to provide an in depth study of sport in society. The course includes gender equity, deviance and aggression, race and culture, economics and social class, and the role of the media. Prerequisite(s): SM 101.

**SM 299. Topic/. 1-3 Hour.**
This course is intended to provide the opportunity to offer courses in Sport Management that would not normally be part of the Husson Curriculum. As such, the topics will depend upon the interests of the students and faculty.

**SM 300. Principles & Qualities of Coaching. 3 Hours.**
This 3-credit class is designed to educate, prepare and certify individuals to coach at all levels. Students will obtain an (ASEP) American Sports Education Program Certification upon completing the instruction and passing the test. A CPR and First Aid certificate will also be issued after completing the specific testing required. Principles and Quality of Coaching will cover all aspects of coaching including: Developing a coaching philosophy, effective communication among coaches, players, parents, officials, media and the community. How to conduct tryouts, motivating players, building a program, how to deal with college coaches recruiting players, practice plans, game preparation, etc.
SM 302. Sports Ethics. 3 Hours.
This course will focus on the exploration of contemporary values, issues, and controversies associated with sport and sport management. Current issues, ethical dilemmas in the sport environment, organizational responsibility, and professional ethics will be discussed. During this course, students will become involved with discussions on sportsmanship, fan behavior, performance-enhancing drugs, cheating and deception, the role of violence in sports, gender equity in sport, deviant behavior in athletics, and issues related to youth sports participation. This course will explore the various issues to be raised by encouraging discussion among the students, by conducting formal debates, and developing position papers on the subject matter.

SM 304. Principles of Sports Medicine. 3 Hours.
This course is designed to integrate basic medical concepts and related scientific information to provide a foundation in the prevention, recognition, assessment, management, disposition, and reconditioning of sport-related injuries and illnesses.

SM 307. Sport Finance. 3-3 Hours.
This course examines financial considerations relative to Sport Management, including: budgeting, fundraising, marketing and the economic impact of sport events. Although the focus of the course is on the two most visible segments of the sport industry – intercollegiate and professional athletics, sufficient attention is given to methods and strategies that may be applied across the discipline. Prerequisite(s): SM 101.

SM 322. Sport Marketing. 3 Hours.
This upper level major course examines the theories, fundamentals and practical applications of marketing for sport related organizations. It offers a broad perspective of the diverse segments that comprise the sport industry – the Sport Performance Segment; the Sport Production Segment; and the Sport Promotion Segment. For the purpose of this course, sport marketing is defined as, "the process of designing and implementing activities for the production, pricing, promotion, and distribution of a sport or sport business product to satisfy the needs or desires of consumers and to achieve the companies objectives." Students will gain experience working in groups and are encouraged to develop interpersonal skills that may be employed in future endeavors. Additional emphasis will be placed on the development of critical thinking, analytical, writing and oral communication skills. Prerequisite(s): BA 321.

SM 331. Governance and Policy in Sport. 3 Hours.
This course is an examination of the integration of management theory with sport governance and policy development practice. The course provides an overview of the sport industry that will provide students with an understanding of the authority, organizational structures, and function of the major governing bodies in the various segments of professional and amateur sport organizations at the local, national, and global levels. The study of policy development in educational, non-profit, professional, and international sport organizations in relation to governance issues will also be addressed.

SM 341. Recreational Programming and Event Management. 3 Hours.
This course is an examination of the principles and methods of program development, management, delivery, and assessment within the sport industry, specifically integrating youth, community and campus recreation. Using principles and practice of event coordination and administration, students will design, develop, and implement community-based programs and/or events, including competitive and non-competitive leagues and tournaments, and non-credit instructional sport programs, events, and services.

SM 407. Psychology of Sport. 3 Hours.
The focus is on how people behave in sport and exercise settings: motivation, anger, fear, and how such emotions affect performance; how emotions can be moderated and how behaviors can be made more effective are covered.

SM 409. Leadership in Sports Organizations. 3 Hours.
This course provides an in-depth study of leadership styles and their importance in the field of sports. Prerequisite(s): College Level=Senior.

SM 441. Outdoor Recreation Programming. 3 Hours.
This course is an examination of the values, principles and methods of program development, management, delivery, and assessment within the outdoor and adventure recreation industry. Additionally, the course will focus on environmental and governmental impact of outdoor and adventure recreation. The basic principles and procedures for developing outdoor recreation programs will be introduced while providing the opportunities to acquire and utilize recreation programming skills through practical application. Prerequisite(s): SM 341.

SM 496. Sports Management Internship. 3 Hours.
This course is designed to provide sport management students with practical work experience in a sports management environment.

SM 497. Intermediate Sport Management Internship. 3 Hours.
This course is designed to provide sport management students with practical work experience in a sport business setting. This college-supervised internship builds upon the SM 496 internship experience to provide the student with additional exposure to the sport industry. A journal and written assignments are required components of the internship experience.

SM 498. Advanced Sport Management Internship. 3 Hours.
This course is designed to provide sport management students with practical work experience in a sport business setting. This college-supervised internship builds upon prior internship experiences to provide the student with additional exposure to the sport industry. A journal and written assignments are required components of the internship experience.

SM 499. Topic/. 1-3 Hour.
This course provides sport management students the opportunity to research and develop special projects within the realm of sport management. Open to Junior and Senior students only.

B.S. Sport Management/M.B.A.

Students may choose to complete both a B.S. in Sport Management combined with an MBA degree in as little as 5 years. This combination of an undergraduate and graduate degree will provide them with more management and other promotion opportunities throughout their careers. Students will complete the program objectives for both the B.S. Sport Management and MBA degrees.

General Education Courses:

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Suggested Course Sequence

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**Second Year**

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**Fifth Year**

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### Minors

#### Coaching Minor
The minor in coaching prepares students interested in pursuing a career in coaching. The minor includes study of the physical, social, medical, and strategies of coaching individual and team sports and the application of these principles in an actual coaching setting through a practicum experience. The minor fulfills the state of Maine coaching endorsement requirements.

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<th>Credits</th>
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#### Tourism and Recreation Minor
The minor in Tourism and Recreation Management prepares students to pursue career options in the tourism and outdoor recreation field. The minor provides basic knowledge of recreation, tourism and park services, and an understanding of the benefits of leisure and recreation in our society. To complete the minor, students must take 18 hours of required courses which will provide undergraduates with the opportunity to explore recreation, parks, and leisure services.

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* Fall Semester Course  
** Spring Semester Course

Upon successful completion of the course, students will be able to:

1. develop an understanding of the competencies required to develop outdoor program in a variety of settings;
2. understand and apply basic outdoor programming terminology and the theories of outdoor and adventure-based programming;
3. recognize the philosophical basis and values of outdoor and adventure-based programming to the individual;
4. to increase understanding of natural resource management, ecosystem management, outdoor recreation, tourism, visitor management, and the relationships among them;
5. describe the management focus of the federal agencies responsible for managing wilderness and back-country recreation lands;
6. develop an understanding of theories and practical programming methods that are relevant to the delivery of quality outdoor and adventure-based programming within any agency; and
7. propose, plan, execute, and evaluate an outdoor and adventure-based program and/or special events

### Army R.O.T.C.
Army ROTC is a college elective program designed to develop individual leadership skills for either a military or civilian career. Husson students can participate in the ROTC program during freshman and sophomore college years without any military obligation. Credits from ROTC courses can be applied to traditional degree programs like business, criminal justice or nursing. Students will take classes at Husson during their first two years with some physical fitness at the University of Maine campus in Orono. Students will join with University of Maine colleagues in their third and fourth years for classes on the Orono campus.

Army ROTC gives students a wide range of experiences while you work toward your college degree. ROTC combines classroom instruction with hands-on training. The results are skills that give an edge over peers when it comes time to look for a job. Participants may gain scholarship status in their second year and graduate from ROTC as second lieutenants in the Army.

Courses in the program include:

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<th>Course Title</th>
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<td>ML 101</td>
<td>Foundations of Officership - 1 credit</td>
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<tr>
<td>ML 102</td>
<td>Basic Leadership - 1 credit</td>
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<tr>
<td>ML 201</td>
<td>Individual Leadership Studies - 2 credits</td>
<td></td>
</tr>
<tr>
<td>ML 202</td>
<td>Leadership and Teamwork - 2 credits</td>
<td></td>
</tr>
<tr>
<td>ML 301</td>
<td>Leadership and Problem Solving - 3 credits</td>
<td></td>
</tr>
<tr>
<td>ML 302</td>
<td>Leadership and Ethics - 3 credits</td>
<td></td>
</tr>
<tr>
<td>ML 350</td>
<td>Evolution of American Warfare - 3 credits</td>
<td></td>
</tr>
<tr>
<td>ML 390</td>
<td>Cultural Understanding and Language Proficiency -</td>
<td>3 credits</td>
</tr>
<tr>
<td>ML 401</td>
<td>Leadership and Management - 4 credits</td>
<td></td>
</tr>
<tr>
<td>ML 402</td>
<td>Officership - 4 credits</td>
<td></td>
</tr>
<tr>
<td>ML 410</td>
<td>Cadet Troop Leader Training - 3 credits</td>
<td></td>
</tr>
<tr>
<td>ML 420</td>
<td>Cadet Leadership Course - 3 credits</td>
<td></td>
</tr>
</tbody>
</table>

ROTC courses may be applied to degree programs at Husson as follows (individual curriculum assessment will be done for each student):
ML 101 & ML 201 = Open elective credit
ML 102 & ML 202 = Open elective credit
ML 301 = CJ elective, open elective or BA 310 credit
ML 302 = BA 302, CJ 330 or open elective credit
ML 350 = Open elective
ML 390 = Open elective
ML 401 = BA elective, BA 351 or CJ 435 credit
ML 402 = BA elective, CJ elective or open elective credit
ML 410 = BA elective, CJ elective or open elective credit
ML 420 = BA elective, CJ elective or open elective credit

Graduate Programs in the College of Business

The College of Business offers the following graduate programs in Business and Criminal Justice Administration:

- Master of Business Administration (MBA)
- Master of Science in Criminal Justice Administration (MSCJA)
- Certificate Counter Terrorism and Security

Please refer to the pages specific to the programs for more detailed information.

College of Business Transfer Credit Policy

For graduate programs, credits which were earned more than five years from the time of application may not be transferable. All transfer credits will be reviewed by Directors of the Schools within the College of Business individually.

Graduate Programs in Business

The Master of Business Administration Program reflects Husson’s belief that a good education is more than a matter of theory and books. Active classrooms, courses tied closely to actual management experience, and a diverse student body representing various academic and industry backgrounds contribute to a broader, more useful education. Our program is distinguished by the following:

- Master of Business Administration (MBA)
- Master of Business Administration (MBA) - Biotechnology & Innovation
- Master of Business Administration (MBA) - Healthcare Management
- Master of Business Administration (MBA) - Hospitality & Tourism Management
- Master of Business Administration (MBA) - Organizational Management
- Master of Business Administration (MBA) - Risk Management
- Master of Science in Criminal Justice Administration (MSCJA)
- Certificate Counter Terrorism and Security

Students from a Variety of Backgrounds

In the Master of Business Administration Program, there are no undergraduate prerequisites to graduate-level course work. Working professionals with bachelor’s degrees from a wide range of fields find the program well suited for continuing professional development.

Admission

Application for admission to the Master of Business Administration Program at Husson should be made to:

The School of Graduate Studies
Husson University
One College Circle
Bangor, Maine 04401
1-800-4-HUSSON

To be admitted, an applicant must have received a baccalaureate degree from an accredited institution and possess a demonstrable ability and motivation to pursue graduate-level work. Evidence of such may include, but not be limited to:

- Letters of recommendation
- Previous college or university work
- Resume (Optional)
- Statement of Purpose essay

An application is not considered complete until the following are received:

- An application with the $50 application fee
- Official transcripts from each college or university attended
- One letter of recommendation
- Immunization Records
- Statement of Purpose essay
- ALC Scores (if required)

Status

An applicant’s admission status is one of the following:

Regular: Students whose applications are complete and who are accepted by the Graduate Admissions Committee without condition are admitted as regular graduate students.

Conditional: In reviewing a candidate’s application, the Graduate Admissions Committee may recommend that a student be accepted on a conditional basis. This status is assigned to those students who are taking graduate courses, but whose applications are not yet complete. The letter of acceptance will contain the conditions that must be met before the student can be reclassified for regular status. No more than
6 credit hours in conditional status may be applied toward the master's degree.

Non-degree: This status is assigned to those students who are taking graduate courses, but who have not yet applied to the Master of Business Administration Program. Admission as a non-degree student does not necessarily mean that the student will be accepted as a regular student when and if application is made for such status. No more than 6 credit hours in non-degree status may be applied toward the master's degree. Admission to non-degree status requires the submission of official undergraduate transcripts.

Academic Standards

Students must maintain a “B” average (3.0) in order to continue in a graduate program. A student whose average falls below 3.0, who earns a grade lower than a “C,” or who earns more than two grades of “C” or “C+,” will be reviewed by the Graduate Academic Program Committee, which may dismiss the student or determine the conditions under which the student may continue in the program. No more than six credits of course work in the “C” range can be applied toward the master’s degree. A student who has not attained a grade point average of 3.0 or better at the end of his or her program of study will not graduate.

Students may elect to repeat courses in which they have received a grade of “C” or below, but may not attempt a course more than three times. The newly earned grade will replace the original grade in the calculation of the student’s cumulative grade-point average, regardless of whether the new grade earned is higher or lower than the previous grade. The former grade is retained as originally recorded in the student’s transcript. Students cannot repeat a course that has been removed from the curriculum unless another course has been designated as an approved alternative for the deleted course. When a student receives a failing grade (X, F, or FW) in a topics course (usually designated by a course number 799) and seeks to repeat the course, the Dean of the School in which the course was offered may authorize a comparable course to be taken as a substitute. The grade in the designated substitute course will replace the failing grade in calculating the student’s grade-point average.

A student required to repeat a course will be charged full tuition for the course.

Transfer Credit

Normally six credits of appropriate graduate-level course work, earned within five years of entry into the Husson program, may be transferred from an accredited institution, if the grades earned in such course work are “B” or better.

In special circumstances, an individual who has begun a graduate management program at another accredited institution may transfer up to nine credits from the program, if those credits have been earned within five years of the date of entry to the Husson program. Likewise, an individual who relocates out of the area may, with prior approval of the Dean, transfer back to the Husson program up to nine credits of graduate-level course work from an accredited institution in order to complete the requirements for the Master in Business Administration degree. Only credits earned in course work completed with a grade of “B” or better will be eligible for transfer.

International Students

The international applicant is expected to submit the same credentials as other students, including transcripts of courses taken and examination results. If the documents are not in English, they must be accompanied by an English translation certified by the same issuing authority or by a reputable translation service.

Applicants whose native language is not English must demonstrate proficiency in reading, writing, speaking and understanding English. Successful completion of a minimum of four undergraduate courses at Husson University or another accredited U.S. College or university is required. Two of the courses must be in English, technical writing, or a related area. The remaining two courses must be in business or a related field. A grade of “C” or higher must be earned in each composition course and a grade of “B” or higher in each business course.

Master of Business Administration

Established in 1978, the Master of Business Administration Program reflects Husson’s long-standing commitment to education for leadership in business. The University believes such education is more than a matter of theory and books. Active classrooms, courses tied closely to actual management experience, and a diverse student body representing various academic and industry backgrounds contribute to a broader, more useful education.

Classes are scheduled on evenings, weekends and online to accommodate participants’ work schedules. A part-time student can complete the program in two years without career interruption. The program is offered at the Husson Campus in Bangor, at the University’s Southern Maine campus in Westbrook, at the Presque Isle Center, Online, and at selected other off-campus locations.

Husson University has affiliation agreements with Unity College, University of Maine Presque Isle and University of Maine Fort Kent which allow their undergraduate students to take courses in the Master of Business Administration and the Master of Science in Criminal Justice Administration Programs. This enables these students to graduate with a Baccalaureate degree from their respective institution and a Master’s Degree from Husson University.

Students in the Master of Business Administration degree will be able to:

• Recognize business problems
• Integrate theories and practice to perform strategic analysis
• Demonstrate effective written forms of communication and oral business presentations
• Work effectively in diverse teams
• Apply decision-making techniques, using both quantitative and qualitative analysis, to management issues

Core Requirements

The core curriculum in the Husson University Master of Business Administration Program consists of eight required courses. Four additional courses, selected from a range of electives, make up the thirty-six credits required for completion of the program.

Students with a strong background in one or more of the required course areas may, with approval, substitute an elective for the course(s) in question. The core curriculum is as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 600</td>
<td>Research Methods in Business and Education</td>
<td>3</td>
</tr>
<tr>
<td>BA 601</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>BA 602</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BA 605</td>
<td>Management Communications</td>
<td>3</td>
</tr>
<tr>
<td>BA 625</td>
<td>Global Strategic Management</td>
<td>3</td>
</tr>
</tbody>
</table>
BA 643 Strategic Change Management 3
Select one of the following: 3
BA 620 Financial Management
BA 703 Financial Management in Healthcare Organizations

Select one of the following: 3
BA 621 Marketing Management
BA 712 Strategic Marketing for Nonprofit Organizations
BA 720 Advanced Sales and Marketing in Hospitality

Graduate BA Electives 12
Total Hours 36

BA 600, BA 601 and BA 602 must be completed within the first 18 credit hours. In addition, some courses have specific prerequisites as noted in the course descriptions.

**MBA Biotechnology & Innovation**

Focused on the business of biotechnology, the Biotechnology & Innovation concentration of the MBA program is designed to prepare students to be leaders in dynamic and evolving enterprises. The program addresses the specific organizational characteristics of both startups and mature organizations, and seeks to provide students with leadership skills in areas such as innovation, change management, venture development, and strategic planning. Project management, group dynamics, research, and entrepreneurial methodologies will be emphasized with courses drawing on the business models, challenges, and opportunities of organizations within this sector.

BA 600 Research Methods in Business and Education 3
BA 601 Managerial Economics 3
BA 602 Managerial Accounting 3
BA 605 Management Communications 3
BA 625 Global Strategic Management 3
BA 643 Strategic Change Management 3
BA 620 Financial Management 3
or BA 703 Financial Management in Healthcare Organizations

BA 621 Marketing Management 3
or BA 712 Strategic Marketing for Nonprofit Organizations

Four of the following courses must be completed 12
BA 628 New Venture Planning and Management
BA 642 Leadership in Business and Professions
BA 710 Law & Ethics for Non-Profit Organizations
BA 760 Technology & Innovation
BA 761 Biotechnology: The Business of Genetics
BA 762 Groupthink
BA 763 Biotechnology & Innovation: Intellectual Property
BA 799 Topic/ (Biotechnology Mgmt Elective)
CJ 705 Leadership & Ethics

Total Hours 36

Students who wish to focus their course work in healthcare management are expected to complete the Master of Business Administration core curriculum, take four of the industry specific courses listed below, and complete one other elective course sufficient to satisfy the thirty-six credit hour requirement.

The program objective of the concentration is to have students demonstrate knowledge of key functions and issues in the healthcare industry including: healthcare economics, healthcare law, ethical issues pertinent to healthcare organizations, identification of unique management issues encountered by healthcare organizations, and financial management in healthcare organizations. Students will also complete the MBA program objectives.

The healthcare management courses are:

BA 600 Research Methods in Business and Education 3
BA 601 Managerial Economics 3
BA 602 Managerial Accounting 3
BA 605 Management Communications 3
BA 625 Global Strategic Management 3
BA 643 Strategic Change Management 3
BA 703 Financial Management in Healthcare Organizations

BA Graduate Elective 3
Select One of the Following
BA 621 Marketing Management 3
BA 712 Strategic Marketing for Nonprofit Organizations
BA 720 Advanced Sales and Marketing in Hospitality

Select Three of the Following 9
BA 700 Health Care Management
BA 701 Legal Environment of Health Care Management
BA 702 Health Care Economics
BA 704 Managing Quality in Healthcare
BA 705 Global Perspectives in Healthcare
BA 799 Topic/ (Healthcare Management Elective)

Total Hours 36

**MBA Hospitality Management**

While the Master of Business Administration Program has been designed primarily for the education of management generalists, the curriculum does contain a specialized program option in hospitality & tourism management. Students who wish to focus their course work in the hospitality and tourism sector are expected to complete the Master of Business Administration core curriculum, take the industry specific courses listed below, and complete a hospitality graduate directed practicum.

The program objective for the concentration is to have students demonstrate knowledge of key functions of the hospitality and tourism industry including: hospitality law, convention and events planning, sales and marketing, food and beverage service management, and front office operations. Students will also complete the MBA program objectives.

The hospitality & tourism management courses are:

BA 600 Research Methods in Business and Education 3
MBA Organizational Management

The Organizational Management Concentration allows students to focus their studies in the areas of leadership, organizational dynamics, and human resource management.

The program objective for the concentration is to have students demonstrate knowledge of major management and leadership practices and theories. Students will also complete the MBA program objectives.

Students in the Organizational Management Concentration will complete the Master of Business Administration core curriculum as well as four of the concentration-specific electives listed below.

**Program Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 600</td>
<td>Research Methods in Business and Education</td>
<td>3</td>
</tr>
<tr>
<td>BA 601</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>BA 602</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BA 605</td>
<td>Management Communications</td>
<td>3</td>
</tr>
<tr>
<td>BA 625</td>
<td>Global Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 721</td>
<td>Convention Planning and Events Planning</td>
<td>3</td>
</tr>
<tr>
<td>BA 722</td>
<td>Advanced Front Office Operations</td>
<td>3</td>
</tr>
<tr>
<td>BA 723</td>
<td>Legal Issues in Hospitality Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 724</td>
<td>Managing Service</td>
<td>3</td>
</tr>
<tr>
<td>BA 729</td>
<td>Hospitality Graduate Directed Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 642</td>
<td>Leadership in Business and Professions</td>
<td>3</td>
</tr>
<tr>
<td>BA 643</td>
<td>Strategic Change Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 644</td>
<td>The Legal Environment of Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 36

**MBA Risk Management**

Risk and uncertainty are present in all types of businesses and organizations. Inadequate risk management can result in severe consequences for organizations. Focused on the identification, assessment, and prioritization of risks, the Risk Management concentration of the MBA program is designed to instill the knowledge and skills necessary to successfully manage in times of uncertainty. Students will learn to understand, analyze, and address risk to ensure that organizations achieve their objectives.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 600</td>
<td>Research Methods in Business and Education</td>
<td>3</td>
</tr>
<tr>
<td>BA 601</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>BA 602</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BA 605</td>
<td>Management Communications</td>
<td>3</td>
</tr>
<tr>
<td>BA 625</td>
<td>Global Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 643</td>
<td>Strategic Change Management</td>
<td>3</td>
</tr>
<tr>
<td>BA 620</td>
<td>Financial Management</td>
<td>3</td>
</tr>
</tbody>
</table>

or BA 703 Financial Management in Healthcare Organizations

Four of the following courses must be completed

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 621</td>
<td>Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>or BA 712</td>
<td>Strategic Marketing for Nonprofit Organizations</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 36

**Graduate Program in Criminal Justice Administration**

The Master of Science in Criminal Justice Administration Program reflects Husson's long-standing commitment to education for professional leadership. The program was developed in response to the Law Enforcement community's expressed need to have education beyond the B.S. in Criminal Justice. Active classroom discussion, courses tied closely to field experience, and a diverse student body contribute to a relevant and outstanding educational experience.

In the program, there are no undergraduate prerequisites to graduate-level course work. Working professionals with bachelor's degrees from a wide range of fields find the program well suited to balancing current job demands with the need for continuing professional development. If a student does not have an undergraduate degree in Criminal Justice or a related degree or does not have experience working in a criminal justice related career field, then the student will need to take a graduate level introductory course on criminal justice professions and material related to law enforcement, corrections, and the court system. The student will complete 36 credits for this program.

Classes are scheduled on evenings and weekends to accommodate participants' work schedules. The part-time student can complete the program in two and one-half years without career interruption. The program is offered on the Husson Campus in Bangor, at the University's Southern Maine and Northern Maine locations, and online.
Admission

Application for admission to the Master of Science in Criminal Justice Administration Program at Husson should be made to:

School of Graduate Studies
Husson University
One College Circle
Bangor, Maine 04401
1-866-567-5990

To be admitted, an applicant must have earned a baccalaureate degree from an accredited institution of higher education and must show promise of ability and motivation to pursue graduate-level work. This requirement is determined by the Graduate Committee based on the following factors:

- A personal interview with the Director of the M.S. in Criminal Justice Administration Program.
- Letters of recommendation.
- Previous college or university work.
- Previous work experience.

Status

An applicant’s admission status is one of the following:

Regular: Students whose applications are complete and who are accepted by the Graduate Admissions Committee without condition are admitted as regular graduate students.

Conditional: In reviewing a candidate’s application, the Graduate Admissions Committee may recommend that a student be accepted on a conditional basis. The letter of acceptance will contain the conditions that must be met before the student can be reclassified for regular status.

Non-degree: This status is assigned to those students who are taking Husson University graduate courses for professional development or personal enrichment, but do not plan to formally apply to a program of study. Admission as a non-degree student does not necessarily mean that the student will be accepted as a regular student when and if application is made for such status. No more than 6 hours in non-degree status may be applied toward the master's degree. Admission to non-degree status requires the submission of an official undergraduate transcripts.

Academic Standards

Students must maintain a “B” average (3.0) in order to continue in a graduate program. A student whose average falls below 3.0, who earns a grade lower than a “C,” or who earns more than two grades of “C” or “C+,” will be reviewed by the Graduate Academic Program Committee, which may dismiss the student or determine the conditions under which the student may continue in the program. No more than six credits of course work in the “C” range can be applied toward the master’s degree. A student who has not attained a grade point average of 3.0 or better at the end of his or her program of study will not graduate.

Transfer Credit

Normally six credits of appropriate graduate-level course work, earned within five years of entry into the Husson program, may be transferred from an accredited institution, if the grades earned in such course work are “B” or better.

In special circumstances, and individual who has begun a graduate program at another accredited institution may transfer up to nine credits from the program, if those credits have been earned within five years of the date of entry to the Husson program. Likewise, an individual who relocates out of the area may, with prior approval of the Dean, transfer back to the Husson program up to nine credits of graduate-level course work from an accredited institution in order to complete the requirements for the M.S. in Criminal Justice Administration degree. Only credits earned in course work completed with a grade of “B” or better will be eligible for transfer.

Program Information

The core curriculum in the Husson University Master of Science in Criminal Justice Administration program consists of five Criminal Justice courses, and five required and two elective Graduate Business courses. Students with a strong background in one or more of the required course areas may, with approval, substitute an elective for the course(s) in question. NOTE: CJ 700 Introduction to Criminal Justice Administration is required in addition to the five Criminal Justice courses if the student has no prior school or work background in Criminal Justice. In addition to the CJ courses listed in the first box below, students may take special topics in Criminal Justice courses (CJ 799) to fulfill the 5 CJ designated course requirement. Topics will vary but may include: Current Topics in Criminal Justice, Current Topics in Corrections, and Crime and the Media.

M.S. in Criminal Justice Administration

The Master of Science in Criminal Justice Administration Program is a thirty-six credit graduate management curriculum designed to develop and strengthen skills in analysis, decision-making, and implementation. The program balances strengths in the traditional areas of law, budgeting, and policy-making, with careful attention to the development of skills in communication, interpersonal relations, psychology and leadership essential to effective performance in organizations. Students also have the opportunity to participate in experiential internships with organizations related to the Criminal Justice field that they choose.

Students who successfully complete the MSCJA degree will be able to:

1. Analyze how criminal justice policy is formulated at the federal, state and local level within a political, economic and social context.
2. Articulate the roles and functions of the various components of the criminal justice system.
3. Apply decision-making techniques, using quantitative and qualitative analysis, and theory to management issues.
4. Understand the cultural context in which the criminal justice system operates.
5. Demonstrate leadership skills through effective written and oral communication.
6. Use current technology to access information, analyze and interpret data, and generate reports.
7. Demonstrate effective team work with a diverse group.

The following classes must be completed for this degree program:

Graduate Criminal Justice Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 717</td>
<td>Graduate Capstone Course</td>
<td>3</td>
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</tbody>
</table>
Select five of the following:  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 701</td>
<td>Justice Administration and Information Systems</td>
</tr>
<tr>
<td>CJ 703</td>
<td>Labor and Employment Law</td>
</tr>
<tr>
<td>CJ 705</td>
<td>Leadership &amp; Ethics</td>
</tr>
<tr>
<td>CJ 707</td>
<td>Public Policy and Planning</td>
</tr>
<tr>
<td>CJ 709</td>
<td>Advanced Criminological Theories</td>
</tr>
<tr>
<td>CJ 710</td>
<td>Criminal Justice Graduate Internship</td>
</tr>
<tr>
<td>CJ 711</td>
<td>White Collar Crime</td>
</tr>
<tr>
<td>CJ 713</td>
<td>Psychology and the Legal Environment</td>
</tr>
<tr>
<td>CJ 715</td>
<td>Corporate Security</td>
</tr>
<tr>
<td>CJ 799</td>
<td>Topic/</td>
</tr>
</tbody>
</table>

**Required Graduate Business Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 600</td>
<td>Research Methods in Business and Education</td>
<td>3</td>
</tr>
<tr>
<td>BA 602</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BA 605</td>
<td>Management Communications</td>
<td>3</td>
</tr>
<tr>
<td>BA 641</td>
<td>Human Resource Management</td>
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</tbody>
</table>

**Elective Graduate Business Courses**

Select two of the following:  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 601</td>
<td>Managerial Economics</td>
<td></td>
</tr>
<tr>
<td>BA 620</td>
<td>Financial Management</td>
<td></td>
</tr>
<tr>
<td>BA 642</td>
<td>Leadership in Business and Professions</td>
<td></td>
</tr>
<tr>
<td>BA 643</td>
<td>Strategic Change Management</td>
<td></td>
</tr>
<tr>
<td>BA 644</td>
<td>The Legal Environment of Business</td>
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</tr>
<tr>
<td>BA 646</td>
<td>Current Issues in Business</td>
<td></td>
</tr>
<tr>
<td>BA 710</td>
<td>Law &amp; Ethics for Non-Profit Organizations</td>
<td></td>
</tr>
<tr>
<td>BA 799</td>
<td>Topic/</td>
<td></td>
</tr>
<tr>
<td>BA Elective</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total Hours**: 36

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**Certificate in Counter Terrorism and Security**

The 21st century ushered in a new era of global terrorism launched by the attacks on 9/11. Intermittent events of terrorism around the world remind us that the threat persists and continues to grow. At the root of global terrorism is a radical strain of Islamic fundamentalism that finds adherents from Saharan/sub Saharan Africa across the Middle East through Central and west/east Asia as well as Europe and North America. This global jihadist movement challenges governments and multinational organizations to maintain their traditional openness and freedoms of operation while installing security procedures and systems to counter this terrorist threat. This certificate is designed provide a foundational understanding of this threat for law enforcement, military, and corporate security officers who act as the first line of defense against terrorist acts. This certificate is intended for participants interested in a career in homeland security at federal, state and local levels in counter terrorism agencies. This certificate is offered at both the undergraduate and graduate levels. Credits from this graduate certificate can be applied to the M.S. Criminal Justice Administration degree.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 715</td>
<td>Corporate Security</td>
<td>3</td>
</tr>
<tr>
<td>CJ 714</td>
<td>Counterterrorism and Counterinsurgency</td>
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<tr>
<td>CJ 716</td>
<td>Global Jihad and Radicalization</td>
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<tr>
<td>CJ 712</td>
<td>Homeland Security</td>
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</tbody>
</table>
The College of Health and Education (COHE) supports the mission and vision of the university by offering fully accredited undergraduate and graduate professional programs that are grounded in the sciences and humanities. We offer degrees in Occupational and Physical Therapy, Nursing, Counseling, and Education. Students interested in careers in Nursing, Counseling and Education can choose from several tracks at both the undergraduate and graduate levels and Occupational and Physical Therapy students earn bachelor's degrees in Healthcare Studies or Kinesiology respectively on the pathway to earning their Master of Science in Occupational Therapy or their Doctor of Physical Therapy.

COHE Mission

The Husson University College of Health and Education inspires and prepares students for contemporary, evidence-based, and ethical practice in health, counseling, and education professions.

We foster student success by promoting:

- Professional identity
- Self-directed learning
- Critical reflection and scholarship
- Practice focused on the individuals, families, groups and populations we serve
- Integration of state-of-the-art technology
- Cultural competence, social justice, and advocacy for our clients and our professions.

COHE Vision

The College of Health and Education aspires to shape our students into compassionate and effective practitioners, leaders, and scholars who value inter-professional collaboration, lifelong learning, and global engagement.

Accreditation

Our programs are fully accredited or approved by one of the following agencies:

The Commission on Collegiate Nursing Education (CCNE)
The Commission on Accreditation in Physical Therapy Education (CAPTE)
The Accreditation Council for Occupational Therapy Education (ACOTE)
The Council for Accreditation of Counseling and Related Educational Programs (CACREP)
The National Board of Certified Counselors (NBCC)
The Maine State Board of Nursing
The Maine State Board of Education

Admissions Criteria

Each of our programs have admissions criteria unique to the discipline. Refer to your program of interest for detailed information about the qualifications for admissions into the program.

Cheryl Adams 1998
B.S. Florida International University
M.H.S. University of Indianapolis
D.Sc. University of Maryland
Lynn Atherley 2015
B.A. University of Wisconsin-Parkside
M.Ed. Edinboro University of Pennsylvania
Mikal Crawford 2009
BS Western Virginia University
M.S. Frostburg State College
Ed. D. University of Maine
Kimberly Davis 2003
B.S. University of New England
M.S.O.T. University of New Hampshire
O.T.D. Rocky Mountain University of Health Professions
Carolyn Dorfman 2012
B.A. University of Colorado
M.S. Colorado State University
Ph.D. Capella University
Deborah Drew 2007
B.S. University of Maine
M.Ed. University of Maine
Ed.D. University of Maine
Laurie Eddy 2006
B.S. University of Maine
M.S.N. University of Maine
M.S.N. University of Maine
Cathleen Goebel 2011
B.S.N. University of Connecticut
M.S.N. Rush University
Suzanne Gordon 1995
B.S. University of Missouri
M.A. University of North Carolina
Ed.D. University of Maine
Katie Howland 2014  B.S. University of New England  Ph.D. University of Maine
M.A. Tufts University  M.S.N. University of Maine
O.T.D. Rocky Mountain University of Health Professions  Cynthia Peterson 2001  B.S. Husson University
Karen Huhn 2016  M.S. Arizona State University  Valerie Sauda 2014
B.S. Northereastern University  M.A. University of Medicine and Dentistry
M.S. University of Medicine and Dentistry  Arthur Schwarcz 1999  B.S. York University
Ph.D. University of Medicine and Dentistry  M.A. Indiana State University
Mary Jude 2011  B.S. University of the State of New York Regents College  Ph.D. University of Iowa
MSN University of Maine and MPH Loma Linda University/ FNP-PA  Wayne Scott 2009  B.A. University of Southern Maine
University of North Dakota  M.S. University of Southern Maine
Cavenaugh Kelly 2014  B.S. University of Southern Maine  Arthur Schwarcz 1999
M.S. Lewiston Auburn College  M.P.T. University of Delaware
Mary Jude 2011  Ph.D. University of Delaware
B.S. University of the State of New York Regents College  Ben Sidaway 1996
M.S. Maine Medical College  B.Sc. Loughborough University of Technology
Kathy Mead 2008  M.A. University of North Carolina - Chapel Hill & M.S.P.T. Husson College
B.S. University of Maine  Ph.D. Penn State University
M.Ed. University of Maine  Sondra Siegel 1998
Barbara Moody 2011  B.A. University of California at Berkeley & B.S. Washington University
"M.Ed. University of Alaska, Anchorage"  Ph.D. Emory University
Ph.D. student at University of Maine  Connie Sprague 2001
Karen Morren 2000  B.S.N. University of Maine
B.S. Biology Albright College  M.S.N. Boston University
M.P.T. - Hahnemann University  Kimberly Steinbarger 2008
D.P.T. Simmons College  B.S. Daemen College
Laurie Mouradian 2010  M.H.S. University of Indianapolis
"M.Ed. University of Alaska, Anchorage"  Cathy Stucker 2014
M.S. Emory University  B.S. Indiana University
Sc.D. Boston University  D.Sc. Andrews University
Margaret Olson 2010  Mary Tedesco-Schneck 2003
B.S. Marquette University  B.S. Rutgers College of Nursing
M.Ed. University of Maine
Undergraduate Programs in the College of Health & Education

The Health Programs
- Nursing
  - B.S. in Nursing
  - RN to B.S. in Nursing
- Occupational Therapy
  - M.S. in Occupational Therapy/B.S. in Healthcare Studies
- Physical Therapy
  - Doctor in Physical Therapy/B.S. in Kinesiology

The Education Programs
- B.S. Elementary Education (K-8)
- B.S. Educational Studies (non-teaching track)
  - Elementary Education
  - Physical Education
- B.S. Physical Education (K-12)
- B.S. in Secondary Education, with concentrations in:
  - English (7-12)
  - Life Sciences (7-12)
  - Physical Science (7-12)
- Alternative Certifications (Pathways II)
  - Elementary Education
  - Secondary English
  - Secondary Life Sciences
  - Secondary Physical Science

Education

Features of the Programs
Program options in the School of Education are carefully designed to prepare future teachers to work with our nation’s youth. There are currently five majors at the baccalaureate level in the Teacher Education Program that will lead to eligibility for a provisional certificate granted by the Maine State Department of Education; Elementary Education (K-8), Physical Education (K-12), and Secondary Education (grades 7-12) with concentrations in English, Life Science, or Physical Science. Graduates of certification programs will become eligible to be licensed in Maine and/or in other states. Pre-service teachers are immersed in real-life applications while learning the theory, methods, and characteristics of diverse classroom settings. They are instilled with an enthusiasm for the teaching profession and a commitment to working successfully and supportively with learners in dynamic and diverse school settings.

The Educational Studies major is a baccalaureate level program with concentrations in Elementary Education or Physical Education for those interested in working in an alternative setting. This program prepares students through an internship experience for working in a non-classroom setting or in a community-based, youth-serving program like those offered at the YMCA/YWCA, museums and municipal recreation departments.

All School of Education programs feature integrated learning experiences, including several field placements in the community. Throughout the coursework, students are exposed to curriculum frameworks of various national and state standards. During coursework and field experiences, pre-service teachers become increasingly knowledgeable in theoretical models, curriculum and assessment practices, technology in education, diversity and multiculturalism, classroom management, differentiated instruction, and professional collaboration.

Graduates from the School of Education are equipped to compete for positions in Maine as well as nationally. They begin their careers as confident professionals ready to embrace their role in preparing their own students for work, higher education, citizenship, and personal fulfillment.

Admissions Standards
The following admission requirements apply for students wishing to enter or transfer into a Teacher Education Program leading to certification:
- Grade point average of at least 2.5
- If 45 or more credits are being transferred in, students must provide documentation of passing PRAXIS I Core scores and documentation of fingerprinting through the Maine Department of Education
- If less than 45 credits, SAT composite must be 890 with a minimum of 450 for Reading/Writing and 440 for Math, or ACT composite of 16 or above or documentation of passing PRAXIS I Core scores

The following admission requirements apply for students wishing to enter or transfer into an Educational Studies Program:
- Grade point average of at least 2.2
Clinical Experience

worth a total of 6 credit hours.

credit hour practicum experiences, and an Internship with a capstone worth a total of 15-credit hours. Undergraduates in Educational Experiences, and two 8-week student teaching placements with a capstone worth a total of 30 credit hours at Husson prior to Student Teaching.

Required Background Checks and Screening

Two levels of background check must be completed early in the program. Fingerprinting through the Maine Department of Education and a background check through CastleBranch are both required before students can participate in field experiences. A criminal record may jeopardize completion of a student's coursework and degree requirements, as well as licensure by the state professional regulating body.

Clinical, Practicum and Student Teaching Field Experiences

Pre-service teachers in programs leading to certification must complete one non-credit clinical experience, three one-credit hour practicum experiences, and two 8-week student teaching placements with a capstone worth a total of 15-credit hours. Undergraduates in Educational Studies must complete one non-credit clinical experience, three one-credit hour practicum experiences, and an Internship with a capstone worth a total of 6 credit hours.

Clinical Experience

The initial field placement for students is an observation in a school for a total of 30 hours. The clinical experience is an essential component of the teacher candidacy application to the Teacher Education programs.

Practicum Experiences

These experiences move students beyond the observation stage and allow them to become active participants in the classroom. They are completed in conjunction with coursework, ensuring there are rich opportunities to connect theory to practice. Class assignments are carefully linked to field placement work.

Student Teaching

Student teaching consists of two field placements for a total of sixteen weeks. The objective is for students to experience varied grade level assignments. Students will produce an electronic portfolio at the end of their student teaching experience. Embedded within this final semester is a capstone seminar for which students are required to return to campus weekly. This course is designed to provide education students with the opportunity to reflect upon and assess their knowledge, skills, and attitudes in the teacher preparation process. Maine's Teaching Standards and teacher effectiveness best practices provide the framework for this experience.

ED 450 Student Teaching/Seminar in Teaching

Technical Standards

The technical standards listed below are minimal technical requirements for admission to, progression within, and graduation from this professional program. The requirements are grouped into emotional, cognitive, social, communication, physical and health/safety requirements.

Teacher Education requires not only the acquisition of academic knowledge but also technical skills, professional attitudes, and professional behaviors. Before program completion, graduates must acquire a broad base of knowledge and skills required to be effective, safe, and competent teachers. In order to accomplish this goal, candidates must demonstrate key functions in an independent manner with reasonable accommodations, if needed. In addition, in order to participate fully in the program, teacher education candidates are required to travel to settings in the community that may have unpredictable environments.

Cognitive Requirements

The candidates must exhibit cognitive skills necessary for problem solving, reasoning, and judgment in a fast-paced environment. Candidates must integrate a variety of material with increasing complexity presented throughout the curriculum including presentations, class discussions, cooperative learning, and readings from textbooks, journals, and student assessment records. A teacher needs to observe details around him or her, register multiple stimuli, and make multiple decisions, all the while engaging students and addressing standards. Candidates must be able to identify and respond accurately to factual information as well as subtle non-verbal cues of mood, temperament, and gestures provided by others. Candidates must be attentive and be able to focus for the duration of class and field experiences to fully participate in the learning environment.

Social Requirements
The candidate must demonstrate appropriate social skills for forming and maintaining relationships with a variety of people including faculty, peers, mentor teachers, students, and the families/guardians of students. Candidates must demonstrate the ability to participate as effective group members. Flexibility and maturity in all interactions is required for this program. Verbal and non-verbal communication and interactions must be respectful, civil and professional in manner, demeanor, and tone. Personal grooming, hygiene, and attire must meet professional standards.

Communication Requirements

Communication skills include oral speech, reading, and writing. Candidates must be skilled in communicating in written and oral English with faculty, peers, students in the classroom, in field placement settings, and the community.

Emotional Requirements

The candidate must demonstrate sufficient emotional stability to perform under stress produced by both academic study and the necessity of performing teaching related tasks in simulated and real situations while being observed by faculty, peers, mentor teachers, and others. Candidates must demonstrate the endurance to adapt to an emotionally demanding program. Candidates must be able to tolerate varying stress levels that can occur in the course of achieving success while adhering to the professional standards and requirements of the program.

Physical Requirements (Can be met through reasonable accommodations)

1. Motor

Candidates must demonstrate the endurance to adapt to a physically demanding program. Candidates must demonstrate sufficient motor function to participate in a traditional classroom setting. They must be able to execute motor movements reasonably required to teach, including the endurance to work full time in an active environment.

2. Speech

Candidates must demonstrate the ability to speak clearly and be heard and understood in face-to-face communication and on the telephone or other media in order to communicate with faculty, peers, mentor teachers, students, other education personnel, and the families/guardians of students.

3. Vision

Candidates must be able to observe students and obtain relevant, meaningful assessment information from this observation. As such, candidates must have visual perception, which includes peripheral vision, depth and acuity. They must also be able to read documents such as student records, textbooks, and computer screens.

4. Hearing

A candidate’s hearing must be sufficient to accurately hear voices on the telephone or through other media, discriminate sounds in the environment for safety, communicate with people, and listen to and assess students in classroom settings and field placements.

Reasonable Accommodation

The Husson University Teacher Education Program in the School of Education will provide reasonable accommodation to qualified students with a disability so they can meet these technical standards in accordance with the Rehabilitation Act of 1973 and the Americans with Disability Act of 1990. Whether or not a requested accommodation is reasonable will be determined on an individual basis. Determining what is a reasonable accommodation is an interactive process which the candidate must initiate with the Director of the teacher Education Program who can be reached at (207) 922-4988 or moodyb@husson.edu and with the Dean of Students who can be reached at (207) 992-1934 or wilsonbarkers@husson.edu.

B.S. Elementary Education (K-8)

Pre-service teachers eager to share their own love of learning with students in grades K through 8 will receive comprehensive preparation for this exciting career. During the program, they are exposed to school-based experiences in the elementary and middle school levels. The education courses and field experiences emphasize concepts of developmentally appropriate practices, effective grouping techniques, integrating curricular instruction, utilizing technology as a learning tool, and implementing a balanced literacy program. Because student needs are diverse, the responsive teacher must possess strategies for differentiating instruction and for capitalizing upon student learning strengths within a regular classroom setting. Graduates should flexibly and strategically apply their knowledge in ways that motivate all students to achieve.

A collection of practical resources and ideas result from the cumulative experiences of the program. Frequent interactions with current teachers in the field are prioritized. There are continuous opportunities for both formal and informal reflection – a critical quality of the most effective teachers. Pre-service teachers practice the habit of reflecting upon their own learning process and performance, both academic and professional.

General Education Requirements

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<tr>
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<tbody>
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<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
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<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
<td>3</td>
</tr>
<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
</tr>
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<td>HE 111</td>
<td>The Husson Experience</td>
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<tr>
<td>HY 102</td>
<td>Early World Civilizations</td>
<td>3</td>
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<td>HY 111</td>
<td>United States History I</td>
<td>3</td>
</tr>
<tr>
<td>MS 115</td>
<td>Quantitative Literacy</td>
<td>3</td>
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<td>MS 132</td>
<td>Probability and Statistics</td>
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<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
<td>4</td>
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<td>PH 110</td>
<td>Introduction to Ethics</td>
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<td>PY 111</td>
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Professional Program Requirements

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<tr>
<td>ED 201</td>
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<td>&amp; ED 203</td>
<td>and Clinical Experience</td>
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<tr>
<td>ED 204</td>
<td>Classroom Management</td>
<td>4</td>
</tr>
<tr>
<td>&amp; ED 310</td>
<td>and Educational Practicum I</td>
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</tr>
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<td>Methods in Teaching Writing in the Schools</td>
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<td>PY 322</td>
<td>Diversity &amp; Multiculturalism</td>
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| Academic Content Electives | 15  |

| Total Hours | 125  |

### Suggested Course Sequence

#### First Year

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<tr>
<th>Course Code</th>
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<td>3 EH 124</td>
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<tr>
<td>PY 111</td>
<td>3 PY 141</td>
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| Total Hours | 17  |

|                      | 15  |

#### Second Year

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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>MS 115</td>
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<td>SC 104</td>
<td>3 ED 310*</td>
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<tr>
<td>EH 200</td>
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<td>ED 231</td>
<td>3 ED 389</td>
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<tr>
<td>PY 322</td>
<td>3 SC 261</td>
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</table>

| Content Elective | 3 |

| Total Hours | 15  |

#### Third Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED 409</td>
<td>3 ED 316**</td>
<td></td>
</tr>
<tr>
<td>ED 307</td>
<td>3 ED 320**</td>
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<tr>
<td>SC 262</td>
<td>3 ED 328</td>
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</tr>
</tbody>
</table>

| Content Elective | 3 |

| Content Elective | 3 |

| Total Hours | 16  |

|                      | 16  |

### Courses

#### ED 201. Phl Foundations of Education. 3 Hours.
An integral component for all education majors, this course is designed to provide a basic understanding of the rewarding, yet challenging, teaching profession. Students broadly explore an overview of the educational field and its philosophical, political, legal, and social foundations. Current issues impacting education in a changing society will be examined. Coursework is intended to stimulate thoughtful reflection as students use information to develop their own beliefs concerning educational issues. Education Students will complete their first 30 hour clinical (ED 203) as part of this course. Students in other majors are not required to complete the Clinical Experience.

#### ED 202. Methods of Teaching Outdoor and Adventure Education. 3 Hours.
The course is designed to expose students to a variety of outdoor experiences with an emphasis on student participation in the activities. Students will also explore ways to incorporate outdoor in a variety of educational settings. Mastery of certain skills and the methodology employed in presenting these skills will be central to the course. Examples of the types of activities that may be covered through the course include canoeing, hiking, mountain biking, orienteering, camping skills, outdoor games, and an introduction to winter sports.

#### ED 203. Clinical Experience. 0 Hours.
All Education students are required to complete one 30 clock-hour block of a non-credit clinical observation experience in K-12 schools. This experience is completed as part of ED 201 Philosophical Foundations of Education and is designed to allow students to better understand the profession by observing experienced teachers in classroom settings. Through this experience, future educators will gain an appreciation of what happens “behind the scenes” in schools and other professional settings. Prerequisite(s): ED 201.
ED 204. Classroom Management. 3 Hours.
This course is designed to explore classroom management practices in educational settings. The course is taken concurrently with an education practicum so students will be able to observe and implement the techniques of practicing teachers in the areas of behavior modification, social skills training, and classroom management structures.

ED 208. Skills Activities. 3 Hours.
This course explores the application of learning and performance of motor skills in a variety of activities. Dance, racquet sports, aquatics and track/field will be participatory and allow students to gain experiential opportunities with instruction, drill progression, strategies, equipment and facility preparation and reflection. Instructor and peer feedback will enhance this class, and allow tactical decision-making competencies.

ED 213. Curriculum and Evaluation in Health and Physical Education. 3 Hours.
This course introduces Health and Physical Education majors to curriculum design and policy. Students will explore how to create, design, organize and evaluate a K-12 Health or Physical Education curriculum. Students will also learn how such a curriculum would be implemented and be expected to relate how a curriculum map ensures that all appropriate Maine Learning Results and grade level competencies are included. This course addresses multiple outcomes relating to the curriculum found in InTASC.

ED 215. Teaching Elementary Health Education. 3 Hours.
This course covers the foundation for healthy habits and active lifestyles which are introduced and reinforced during the K-8 experience. Topics that build both self-esteem and character, along with experiential health and physical activities will be examined. The American Association for Health Education and the Maine Learning Results will be used in conjunction with curriculum guides as students design lessons and units in health education.

ED 222. Personal Health & Fitness. 3 Hours.
This course is designed to introduce the health and physical education student to a core of competencies to employ at the K-12 teaching levels. Several health topics will be covered including personal fitness, mental health, stress management, nutrition and diet, tobacco, and cardiovascular disease, as well as a variety of fitness and healthy experiences with an emphasis on actual participation in the activities.

ED 223. PE/Health Practicum I. 1 Hour.
The Practicum courses are one credit offerings designed to provide field experience for students enrolled in the three ED methods courses associated with their major. They are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement, most often within a school, secured by the clinical placement supervisor. This course is taken by physical education majors concurrently with ED 446. Prerequisite(s): ED 203.

ED 231. Curriculum, Instruction, and Assessment. 3 Hours.
This course is designed for students in the elementary/secondary education K – 12 programs. It is a general methods course for assessment, curriculum design, development and methods of instruction. This course focuses on the "what to teach," "how to teach," and "planning the context for teaching and learning" with the goal of providing an integrated approach in instruction. Such an integrated approach involves interventions (accommodations and modifications) in the design of instruction to teach all learners. This course ensures that pre-service teachers gain a broad knowledge in the methods of instruction as well as supporting diversity in the classroom. The course presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Prerequisite(s): ED 201.

ED 240. History and Philosophy of Physical Education. 3 Hours.
This course is an introduction to the philosophical and historical principles of health and physical education. It will include an historical overview of these education disciplines and cover current day principles. This course also offers an opportunity for critical examination of both theory and practice in the professions of health and physical education, wellness, sport and fitness.

ED 243. Team Sports/Tech & Strategies. 3 Hours.
Formal physical education, recreational and camp settings include games and strategies. It is the strategies component that enhances participation. Understanding game strategy promotes application of techniques and skills. Games research has also shown that the more strategy participants understand, the greater the chance of participation and satisfaction (Mitchell, S.). Thus tactical problem solving and teaching strategies will be the points of emphasis within a variety of invasion, net/wall, target, and striking/fielding games. Students will have the opportunity to learn skills, drills, techniques and strategies, and practice planning and teaching sport lessons during class.

ED 302. Adapted and Developmentally-Appropriate Physical Education. 3 Hours.
Adapted and developmentally appropriate physical education programs are the art and science of developing, implementing, and monitoring carefully designed instructional programs to meet the unique needs of individuals. Teaching approaches are both task-specific and developmental in nature and the course is designed to enable teachers to successfully address a range of specific needs in the physical education setting. This course is based on authentic and comprehensive assessments to give participants skills necessary for a lifetime of leisure, recreation, and sport experiences to enhance physical fitness, participation and wellness. Prerequisite(s): ED 201 and ED 213 and (ED 232 or ED 447).

ED 307. Technology in Education. 3 Hours.
This course surveys the history and structure of the field of instructional technology, with an emphasis on integrating as an educational tool. Students will experience creative skills and confidence necessary to use mainstream and emerging hardware and software available in most school settings. Prerequisite(s): ED 204 and ED 231.
ED 310. Educational Practicum I. 1 Hour.
ED 310 Education Practicum is the first classroom experience for university students considering the profession of teaching by spending time in an assigned classroom, students will shift their perspective from that of a student to that of a teacher. This experience is designed, in part, to provide students with the opportunity to interact with a mentor teacher and pupils in a classroom setting. The extent of involvement will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. This course is viewed as a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for participating students. Prerequisite(s): ED 203.

ED 314. Assessment Practices. 3 Hours.
Presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Students learn to construct and use paper-and-pencil, alternative, and standardized assessments; analyze objectives; use grading systems; and judge assessment quality.

ED 316. Methods in Science. 3 Hours.
Science education is presented with a constructivist approach. Students become familiar with curricular content, methodology, and instructional planning that stimulates scientific interest and concept formation. Resources for science education will be collected for future. With a constructivist approach in mind, techniques for assessing student inquiry processes are explored. Students also learn ways to use instructional and design technology to enhance lessons. Prerequisite(s): ED 204 and ED 231.

This course offers a hands-on, practical approach that introduces students to a variety of strategies they can directly implement upon entering a position as a 7-12 teacher of science. Concentrating on practical application rather than theoretical implications, students will refine and add to their repertoire of teaching strategies. We will begin by learning how differentiating activities, based upon learning styles and ability, can enhance the learning of each student in a classroom. Students will be engaged in the direct completion of project-based learning in the form of laboratory experiences, lesson building, and cooperative tasks. Direct implementation of current science project-based pedagogy will be the emphasis. Students will apply their understanding of the new methods by creating a series of mini-lessons, typical lessons, and projects that are reflective of their understanding. Teaching science is not just about creating lesson plans and writing labs – it is also about engaging students, maintaining their interest in science and devise a number of ways to motivate them to complete their learning tasks and raise their aspirations. Many classes will begin with sample laboratory experiences and will then progress forward to introduce, explain, and model different methods for instruction, questioning, and assessment; all within the context of product-based inquiry. The course will seek to help pre-service teachers to develop an understanding and appreciation of science. This will hopefully make an impression upon students to acquire knowledge, attitudes, and skills essential to science literacy. Prerequisite(s): ED 204 and ED 231.

ED 318. Teaching Students With Special Needs. 3 Hours.
This course is designed to provide Career and Technical Education (CTE) teachers, educational technicians and teachers-in-training the necessary skills to develop learning environments where all special needs students can be successful. It is built upon the foundations of current legislation, appropriate curricula, assessment modifications and individualized instruction using successful teaching strategies to provide improved levels of success for students with special needs.

ED 319. Methods in Secondary English. 3 Hours.
In this course students learn how to teach reading and writing genres with secondary students. We explore strategies and processes in the English Language Arts while connecting it to literacy across the curriculum. We explore literacy and technology, accommodations and differentiated learning, assessment, selection of literature to serve purposes for reading and writing, issues in the secondary classroom, and models of instruction. We will inquire into certain questions, such as, What methods work best with adolescents? How does technology fit into the classroom? Why is reflection a big deal? How does the English teacher address reading and writing in the content areas? What does being an English teacher mean? You will be both a student in the course, participating in practices, and a teacher, designing and implementing learning sequences. The course objectives address the Common Core, InTASC, and ISTE NETs standards. Prerequisite(s): ED 204 and ED 231.

ED 320. Education Practicum II. 1 Hour.
Education Practica provide classroom experience for university students thinking of becoming teachers. By spending time in an assigned classroom students will shift their perspective from that of a student to that of a teacher. These experiences should be viewed as pre-student teaching opportunities and are designed, in part, to provide university students with the opportunity to interact with a mentor teacher and students in a classroom setting. The extent of involvement with the mentor teacher will depend on his or her needs, the organization of the classroom, and the stage of development of the practicum student. Practicum students have varied backgrounds and experiences. These strengths and experiences should be utilized to enrich the learning opportunities for the students in the classroom and the practicum student. This program is a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for university students seeking a career in teaching. Prerequisite(s): ED 203.

ED 321. Educating Exceptional Students. 3 Hours.
Prepares classroom teachers to successfully educate students with disabilities within the regular classroom setting. While the primary focus is to manage the instructional requirements of students with disabilities, the course incorporates the legal and ethical standards for mainstreaming and the roles of parent advocacy and support groups. Additionally, students become familiar with instructional issues represented by students from culturally, ethnically, and socio-economically diverse populations. Course content also explores the importance of enhancing educational opportunities of diverse learners via procedural due process, diagnostic practices, and development of professional and parent collaboration.

ED 323. PE/Health Practicum II. 1 Hour.
The Practicum courses are one credit courses designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 201 and ED 213 and ED 203.
ED 324. Young Adult Literature. 3 Hours.
This course, organized by trends in young adult literature, offers participants an opportunity to learn more about the young adult novel and other genres, how to select appropriate, high-quality books, how to incorporate it into a traditional classic-based classroom, and how to make the reading of young adult novels relevant to students’ lives. Through reading, discussing, and writing about books in different genres, students explore issues and trends including appropriateness in the classroom, close reading strategies, issues of diverse audiences and subject matter, the young adult and the canon, and literary theory such as reader response. Participants select books of their interest, read class books, and make connections to readings from the professional literature. The course integrates the Common Core and InTASC standards for teachers. It will help teachers find practical ways to integrate quality young adult novels into their curriculum, integrating teaching of literature and content areas, and making literature more accessible for their students. Prerequisite(s): ED 201.

ED 325. Brain Gym. 3 Hours.
This course provides an introduction to educational kinesiology and an overview of Brain Gym movements. Students will also learn a multi-step implementation process for increasing concentration, participation and problem-solving in the classroom. The highly interactive course design encourages the integration of Brain Gym techniques throughout the learning process.

ED 328. Children’s Literature. 3 Hours.
This survey course provides an overview of children’s literature, its genres, authors, ideas for instruction and response, criteria of selection, children’s development, and the teacher as reader. Students will explore ways to bring children to diverse, contemporary children's literature in the language arts and content areas while at the same time becoming more experienced, insightful, and informed readers of children’s literature. Prerequisite(s): ED 201.

ED 330. Substance Abuse and Prevention. 3 Hours.
Society faces abuse challenges as a result of domestic and global sources of addictive substances. This course offers an opportunity for critical examination of both theory and practice as students analyze available data on substances such as nicotine, caffeine, alcohol, over the counter drugs, prescriptive drugs and illegal drugs. Students also examine the role family, friends, education, the media and/or marketing may play in the decision-making process of individuals. Drug prevention programs and rehabilitative programs are reviewed with video input from professionals. Course content is drawn from videos, interviews, research, case analysis, projects and online discussion. These serve as reflective tools to build the student's knowledge.

ED 332. Methods in Teaching Writing in the Schools. 3 Hours.
This course is based on the belief that teachers of writing at any grade level teach with greater understanding when they are active writers themselves and when their writing has a place and function in the world. Participants practice in instruction that draws on research on teaching writing, in assessment of writing, and in the teaching of the writing process approach, conducting conferences, modeling, and writing in the content areas with applications in the classroom. Adapting instruction to the development of writers is included. Participants focus on how they, as teachers, solve problems in writing so they support young writers develop their writing. Strategies of instruction are explored through focused lessons addressing Common Core standards and demonstrated during our sessions. Integration of practicum experience and application of course principles and strategies are expected. Prerequisite(s): ED 204 and ED 231.

ED 350. Teaching Elementary and Secondary Health Education. 3 Hours.
This course can help prepare elementary and secondary level health educators with information, classroom management techniques, instructional strategies and appropriate curriculum, as well as provide opportunities for teaching health lessons to peers with peer feedback. Prerequisite(s): ED 201 and ED 213.

ED 352. Emerging Trends In Career and Technical Education. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 380. Curriculum-based Instruction for the CTE Classroom and Shop. 3 Hours.
This course will focus on brain-based learning, strategies to develop student skills as readers, writers, and thinkers, Quadrant D lesson planning, gradual release of responsibility model, and questioning techniques.

ED 381. Introduction to Effective Classroom Management. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 382. Introduction to CTE Classroom Teaching. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 383. E-Portfolio for Teachers. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 389. Educational Psychology. 3 Hours.
The course examines the educational perspectives of K-12 students. Students in the course will incorporate the principles of educational psychology in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. Theories, principles, and issues investigated in this course are cognitive, linguistic, personal, social, emotional & moral development, and students with special needs. There will be an in depth study of how students learn in the areas of cognitive learning process, construction of knowledge, behavior views of learning, social cognitive learning and motivation. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. This is a third year course. Students will demonstrate their understanding by identifying the principles of educational psychology during visits to their assigned schools. Prerequisite(s): PY 111.
ED 404. Methods in Reading and Language Arts 4-8. 3 Hours.
This course explores research-based reading and language arts practices in teaching students in grades four through eight. The course introduces assessment, curriculum, and instructional strategies that can be adapted for intermediate (GR 4-5) and middle school (GR 6-8) students. The course focuses on current methods to teach and assess reading and language arts include vocabulary, inquiry, into essential questions, and content specific reading and writing. With the idea that assessment drives instruction, students practice approaches to teaching reading strategies, language experience, and literature-based explicit reading instruction with a focus on socio-cultural influences. Participants practice the assessment and instruction in an interactive environment where teacher is reader. Students develop professional awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 408. Methods in Reading and Language Arts, PK - 3. 3 Hours.
The course introduces students to current, research-based methods in teaching reading and language arts to children in preschool through grade three. Topics include emergent literacy development, balanced literacy, spelling, oral language, writing, speaking, and listening. With the idea that assessment drives instruction, students will practice using and analyzing data from a variety of assessment tools to plan and deliver instruction in reading and the language arts. Students will also explore how language arts are a result of cultural and social experiences. Students will connect methods and theory of reading and ELA with knowledge of genres in children’s literature with a focus in selection of books and integration in instruction. This course is interactive and gives students the opportunity to practice the methods they learn. Students will develop the skills to guide children’s experiences and learning, and develop professional perspective and awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 409. Methods in Mathematics. 3 Hours.
This course introduces mathematic concepts and problem solving strategies along with real-world applications. Methods emphasize an active learning process in which children engage in guided discovery and problem solving opportunities. Teachers learn to coach youngsters to reflect on their process to clarify ideas for themselves and to share their thoughts with others. Models of engaged learning scenarios will be developed and discussed. Prerequisite(s): ED 204 and ED 231.

ED 410. Assessment in Health and Physical Education. 3 Hours.
The focus of this course will be on measurement and assessment of achievement. Multiple practice opportunities will be provided in designing and implementing measurement/evaluation methods and tests recognizing that the ultimate purpose is to enhance the decision-making process so improvement can be made (Baumgartner, 2007). Both the classroom and lab will be utilized to implement health and physical education tests and evaluation. Students gain skills using assessments within physical education and health education content. Tools for assessing the levels of competency are utilized at each elementary and secondary grade level. Teacher preparation students will apply these assessment tools to current programs.

ED 411. CTE Assessment I. 3 Hours.
This course will provide an introduction to the use of formative, summative and diagnostic assessments. Specific topics will include the appropriate use and design of certification tests as well as reading and math assessments.

ED 415. Methods in Social Studies. 3 Hours.
Methods in teaching Social Studies provides students with an overview of the field of Social Studies, selected issues in the field, and best practice strategies for teaching social studies in the K-8 classroom. Students will identify important social studies knowledge, skills, and dispositions; investigate how students learn most effectively; and apply this new learning to lesson/unit design and instruction. Curriculum will be aligned to both national and state standards for both social studies and literacy. Prerequisite(s): ED 204 and ED 231.

ED 419. Mentoring Children and Youth. 3 Hours.
Through experience in this course, students will develop a mentoring relationship with either an elementary or middle school student. Mentoring can be an intense process where a positive, adult role model is matched with a youngster who needs assistance with academic efforts and social/behavior issues. This course will provide insight to many issues that surround a youngster’s life. Issues and topics on poverty and education, cross-cultural competencies, tutoring skills, goal setting and violence in schools and society will be addressed.

ED 420. Physical Activity Programming in Youth Development. 3 Hours.
This class will provide a philosophical and practical base for working in youth development programs. This class will discuss the history of youth development programming, the current trends in youth development and the role of physical activity as a tool to better serve youth. This class will focus on programs that serve youth through physical activity, with special emphasis on goals of personal and social responsibility.

ED 421. Evaluating Youth Development Programs. 3 Hours.
Students will become aware of various models for evaluating youth development programs, and become familiar with the rationale and various assumptions for evaluating youth development programs. Students will also understand the various data sources for evaluating youth development programs, and be knowledgeable of the various ways to analyze, interpret, and disseminate data collected in the evaluation process.

ED 422. Educational Studies. 6 Hours.
ED 422 is the capstone experience for education students seeking future employment in a setting other than a traditional classroom. The 90-hour internship is spread over a minimum of twelve weeks and allows students to gain practical experience working with staff, learners, and other members of an agency or organization in a community setting (e.g. municipal recreation departments, public libraries, children’s museums, social service agencies, etc.) During this field experience, students learn about the organization or agency, study the implementation and evaluation of its programming, and design a related project to contribute to the site. The connected on-campus class will provide an opportunity for students to share their experiences and provide peer feedback.

ED 423. PE/Health Practicum III. 1 Hour.
One credit practicum courses are designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 203.
ED 430. Educational Practicum III. 1 Hour.
Education practica provide classroom experiences for future teachers. These experiences are designed, in part, to provide students with the opportunity to interact with a mentor teacher (MT) and pupils in the classroom setting. The extent of involvement with an MT will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. Strengths and experiences gained from practica should enrich the learning in the classroom. Prerequisite(s): ED 203.

ED 440. Disease Prevention & Health Promotion. 3 Hours.
In this course, core competencies regarding disease prevention and health promotion will be obtained, practiced and employed. Students will build upon personal health and wellness skills, and incorporate diverse perspectives in designing and implementing a Health Promotion program.

ED 441. Community Health. 3 Hours.
Community Health encompasses the topics of public health issues, policies and community health services across the lifespan. Students also study global health issues, community health issues and the impact of environment, geographic location and socio-economic status on human health, as well as public policies and health services. In this course, students will research and present a community health education and picture project.

ED 444. Individual Sports & Lifetime Activities. 3 Hours.
This course is designed to provide an informational and experiential overview of pursuits that may be classified as individual sports and lifetime activities. Attention will be paid to what place these activities may have in schools, recreational programs and other programs associated with youth development and learning. The role of lifetime fitness and health will be discussed and explored.

ED 445. Comprehensive School Health. 3 Hours.
This course will focus on the need for comprehensive school health education for students and society. Students will examine the role of the health educator as coordinator of the school health program. National Health Standards will guide the curricula as students learn about policies, procedures and activities designed to promote K-12 healthy living.

ED 446. Elementary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques during the concurrent practicum ED 323 PE/Health Practicum II. Prerequisite(s): ED 201 and ED 213.

ED 447. Secondary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques by conducting lessons during the attached practicum experience. Prerequisite(s): ED 201 and ED 213.

ED 450. Student Teaching/Seminar in Teaching. 15 Hours.
ED 450 is the culminating experience of the Husson Teacher Education Program and occurs after all other coursework and requirements have been completed. It has two required concurrent sections: a sixteen-week student teaching field placement and a weekly capstone seminar in teaching. This dual approach is designed to integrate pedagogy and professional practice to ensure that clear connections are made by student teachers as they strive to become effective educators. The InTASC Model Core Teaching Standards and the National Educational Technology Standards for Teachers NETS-T provide the framework for both the student teaching section and the seminar. ED 450 is viewed as a collaborative undertaking among students, instructors, and supervising teachers.

ED 499. Topic/ 1-3 Hour.
This course is intended to provide the opportunity to offer advanced courses in education that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

ED 600. Research Methods in Business and Education. 3 Hours.
This course is designed for graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

ED 601. Theoretical Foundations of Learning. 3 Hours.
This is an advanced study of the application of the principles of educational theory and psychology in teaching students PK–12. Theories, principles, and issues investigated in this course include cognitive, linguistic, personal, social, emotional and moral development, the role of educational theory in practice, and students with special needs. Students in the course will incorporate the principles of educational psychology and an array of theoretical frameworks in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. The course includes an in-depth study in the areas of cognitive process, construction of knowledge, behaviorists’ views of learning, social cognition, and motivation. Students will conduct analyses of learning theories in light of this knowledge. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. Emphasis will be on the development of successful academic and social interventions using an inquiry-based approach. Students will demonstrate their understanding by identifying the principles of educational psychology and learning theory in their school setting.

ED 603. Advanced Curriculum and Instruction. 3 Hours.
This graduate level core course is designed to enhance student understanding of curriculum content, design, policy, and instructional strategies through the application of curriculum theory, assessment and technology. Students acquire skills in planning the context for learning utilizing authentic experiences for diverse populations and the promotion of successful academic and social interventions using an inquiry-based approach. Identification and implementation of research-based instructional strategies are examined. Curricula are analyzed using an integrated approach to instruction that promotes grade level competency. Students demonstrate curricula mapping in accordance with Maine standards.
ED 701. Introduction to School Guidance Counseling. 3 Hours.
This course will survey the philosophy, objectives, principles and program of comprehensive developmental school guidance programs at the K-12 level. The course will focus on National and State Models of School Counseling.

ED 702. Advanced Assessment Practices. 3 Hours.
In this advanced assessment course, students will develop an understanding of current trends, issues, and practices in assessment and apply their understanding to classroom, school, and district practices. This core course in the Master of Education program is conducted in seminar format. Students prepare for course meetings and participate in whole group discussions online and in person related to the readings, current practice, experience in assessment, and knowledge of trends and issues, making connections between the theory and classroom, and school-wide practices. Students will create and reflect upon online discussions to analyze the strengths and purposes of assessment instruments, analyze data, evaluate recommendations and interventions based on assessment findings and synthesize the information in communication appropriate to different stakeholders, colleagues, administrators, and families. Students will present practices, findings of research, analyses of assessments in multi-media presentations and develop an e-portfolio documenting the processes of the course, the self-evaluation, and the learning in the course.

ED 705. The Changing Role of the School Counselor. 3 Hours.
This course will review the historical and philosophical bases for school counseling programs, explore traditional roles for the school counselor, and examine the ethical and legal responsibilities of school guidance counselors. Focus will be given to recent applications of contemporary theories in educational settings as well as the role of the counselor in assisting all students in academic, career, and personal/social domains.

ED 706. STEM in the Classroom. 3 Hours.
This course provides the foundations of science, technology, engineering, and math (STEM) education disciplines based upon the Next Generation Science Standards (NGSS) and the Math and ELA Common Core Standards. The approach used will be a multi-disciplinary experiential learning method that will engage participants in scientific and mathematical practices that can be directly applied in the classroom to help learners make connections across curricula. Core topics include STEM pedagogy, the nature of STEM education disciplines, integrative STEM learning, and deepening knowledge within the STEM disciplines. Course objectives are grounded in the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 707. Literacy Across the Curriculum. 3 Hours.
This advanced course explores how literacy, broadly defined as reading, writing, talking, viewing, representing, and listening, can be a tool for thinking and learning in the content areas for all PK-12 students in different school environments of a diverse and globalized society. The course provides opportunity for participants to discuss and practice inquiry-based approaches that support learning and literacy development in the content areas, while integrating technology and instruction and connecting reading and writing. The course includes the genres and texts that teachers might use in the teaching of reading for different purposes. Professional and research literature are included. The workshop/ seminar format of the course is interactive and includes lectures and demonstrations as students become more knowledgeable with respect to ethical decision-making, social responsibility, and reflective practice. Class participants will serve as resources, collaborators and teachers through in-class discussions, group work, and projects.

ED 708. Advanced Classroom Management. 3 Hours.
This course is designed to assist the classroom teacher in creating a climate that is safe and conducive to learning for all students in the inclusive classroom setting. Students will expand and apply their knowledge of theory and practical strategies for classroom management and student engagement. Through inquiry based study, learners will gain increased knowledge of effective strategies to implement when dealing with challenging student behaviors. Students will gain advanced skills with which to manage the inclusive classroom and be able to more effectively engage students and parents.

ED 799. Topic/. 1 Hour.
Selected topics are offered centering on the needs and interests of the students and the availability of expert faculty.

ED 809. Integrating Technology into Instruction. 3 Hours.
This course introduces students to a variety of technologies and computer applications that can enhance teaching, assessment, and the learning process. Class sessions and projects involve critically examining the theory and practice of using technologies to augment learning. Course objectives are grounded in the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 810. Contemporary Issues in Educational Leadership. 3 Hours.
This course provides an overview of formal and informal models of teacher leadership as well as the opportunity for in-depth analyses of relevant topics from the current and past centuries. Students explore emerging trends that address leadership opportunities for teachers and issues related to group dynamics, motivation, communication, ethics, and human relations. Course topics also include educator evaluation, the nationalization of standards and assessment, standards-based education, globalization, diversity, and technology. Skills and strategies for effective leadership are developed, especially those related to organizational change, ethical decision-making, and team building.

ED 868. M.Ed. Capstone. 3 Hours.
Students will complete a supervised experience, thesis, or special project in their area of interest that has been pre-approved by the department. Prerequisite(s): ED 601 and ED 603 and ED 702 and ED 706 and ED 707 and ED 708 and ED 809 and ED 810 and CO 704 and BA 600.

B.S. Physical Education (K-12)
Features of the Program
Husson's Physical Education major is designed to prepare graduates to become certified to teach students in schools as well as recreational settings. Through a series of health/wellness, sports, dance, and fitness classes, the program cultivates the conceptual knowledge and performance skills applied during clinical experiences with diverse student populations. Habits of a healthy lifestyle are encouraged. Pre-service teachers are equipped with strategies for working with the K-12 span of developmental capabilities, including individuals with identified needs. Students completing this program will be eligible to be conditionally certified in Health Education.

Bachelor of Science in Physical Education
General Education Courses
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
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<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
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</tr>
<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
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<tr>
<td>HE 111</td>
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### B.S. Physical Education (K-12)

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
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<tr>
<td>MS 115</td>
<td>Quantitative Literacy</td>
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</tr>
<tr>
<td>PH 110</td>
<td>Introduction to Ethics</td>
<td>3</td>
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<tr>
<td>PY 111</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 141</td>
<td>Human Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>SC 101</td>
<td>Introduction to Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>SC 104</td>
<td>Organismal Biology</td>
<td>3</td>
</tr>
<tr>
<td>SC 120</td>
<td>Functional Anatomy and Physiology</td>
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<td>&amp; SL 120</td>
<td>&amp; Functional Anatomy and Physiology Lab</td>
<td>4</td>
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<tr>
<td>SC 330</td>
<td>Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>SC 360</td>
<td>Biomechanics &amp; Kinesiology in Human Performance</td>
<td>3</td>
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<tr>
<td>SC 410</td>
<td>Motor Learning in Human Performance</td>
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</tr>
<tr>
<td>SM 304</td>
<td>Principles of Sports Medicine</td>
<td>3</td>
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<tr>
<td>Fine Arts Elective</td>
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<tr>
<td>Foreign LangCulture and Conversation Elective</td>
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<tr>
<td>History Global Elective</td>
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### Professional Courses

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ED 201</td>
<td>Phil Foundations of Education (Clinical Placement)</td>
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</tr>
<tr>
<td>ED 202</td>
<td>Methods of Teaching Outdoor and Adventure Education</td>
<td>3</td>
</tr>
<tr>
<td>ED 203</td>
<td>Clinical Experience</td>
<td>0</td>
</tr>
<tr>
<td>ED 208</td>
<td>Skills Activities</td>
<td>3</td>
</tr>
<tr>
<td>ED 213</td>
<td>Curriculum and Evaluation in Health and Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>ED 222</td>
<td>Personal Health &amp; Fitness</td>
<td>3</td>
</tr>
<tr>
<td>ED 240</td>
<td>History and Philosophy of Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>ED 243</td>
<td>Team Sports/Tech &amp; Strategies</td>
<td>3</td>
</tr>
<tr>
<td>ED 302</td>
<td>Adapted and Developmentally-Appropriate Physical Education &amp; PE/Health Practicum III</td>
<td>4</td>
</tr>
<tr>
<td>ED 307</td>
<td>Technology in Education</td>
<td>3</td>
</tr>
<tr>
<td>ED 321</td>
<td>Educating Exceptional Students</td>
<td>3</td>
</tr>
<tr>
<td>ED 389</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ED 410</td>
<td>Assessment in Health and Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>ED 444</td>
<td>Individual Sports &amp; Lifetime Activities</td>
<td>3</td>
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<tr>
<td>ED 446</td>
<td>Elementary P.E. Methods &amp; PE/Health Practicum I</td>
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<tr>
<td>ED 447</td>
<td>Secondary P.E. Methods &amp; PE/Health Practicum II</td>
<td>4</td>
</tr>
<tr>
<td>ED 450</td>
<td>Student Teaching/Seminar in Teaching</td>
<td>15</td>
</tr>
<tr>
<td>PY 322</td>
<td>Diversity &amp; Multiculturalism</td>
<td>3</td>
</tr>
<tr>
<td>ED 350</td>
<td>Teaching Elementary and Secondary Health Education</td>
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**Total Hours:** 126

*** Credit may not be required for degree completion.

### Suggested Course Sequence

#### First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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<tr>
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#### Second Year

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<tr>
<td>ED 321</td>
<td>3</td>
<td>ED 243</td>
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<td>ED 213</td>
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<td>SL 120</td>
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<td>ED 208</td>
<td>3</td>
<td>PY 141</td>
<td>3</td>
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<tr>
<td>Foreign Cult. &amp; Conv. Elect.</td>
<td>3</td>
<td>EH 200</td>
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**Total Hours:** 17

#### Third Year

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<th>Fall</th>
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<td>ED 202</td>
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<td>ED 499 First Aid &amp; Sports Medicine</td>
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<td>SM 304</td>
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<td>ED 446</td>
<td>3</td>
<td>ED 323</td>
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<tr>
<td>SC 330</td>
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<td>ED 410</td>
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<tr>
<td>PH 110</td>
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<tr>
<td>PY 322</td>
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**Total Hours:** 16

#### Fourth Year

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<td>ED 444</td>
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<tr>
<td>ED 307</td>
<td>3</td>
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</table>

**Total Hours:** 16

**Total Hours: 126**
Courses

ED 201. Phil Foundations of Education. 3 Hours.
An integral component for all education majors, this course is designed to provide a basic understanding of the rewarding, yet challenging, teaching profession. Students broadly explore an overview of the educational field and its philosophical, political, legal, and social foundations. Current issues impacting education in a changing society will be examined. Coursework is intended to stimulate thoughtful reflection as students use information to develop their own beliefs concerning educational issues. Education Students will complete their first 30 hour clinical (ED 203) as part of this course. Students in other majors are not required to complete the Clinical Experience.

ED 202. Methods of Teaching Outdoor and Adventure Education. 3 Hours.
The course is designed to expose students to a variety of outdoor experiences with an emphasis on student participation in the activities. Students will also explore ways to incorporate outdoor in a variety of educational settings. Mastery of certain skills and the methodology employed in presenting these skills will be central to the course. Examples of the types of activities that may be covered through the course include canoeing, hiking, mountain biking, orienteering, camping skills, outdoor games, and an introduction to winter sports.

ED 203. Clinical Experience. 0 Hours.
All Education students are required to complete one 30 clock-hour block of a non-credit clinical observation experience in K-12 schools. This experience is completed as part of ED 201 Philosophical Foundations of Education and is designed to allow students to better understand the profession by observing experienced teachers in classroom settings. Through this experience, future educators will gain an appreciation of what happens “behind the scenes” in schools and other professional settings. Prerequisite(s): ED 201.

ED 204. Classroom Management. 3 Hours.
This course is designed to explore classroom management practices in educational settings. The course is taken concurrently with an education practicum so students will be able to observe and implement the techniques of practicing teachers in the areas of behavior modification, social skills training, and classroom management structures.

ED 208. Skills Activities. 3 Hours.
This course explores the application of learning and performance of motor skills in a variety of activities. Dance, racquet sports, aquatics and track/field will be participatory and allow students to gain experiential opportunities with instruction, drill progression, strategies, equipment and facility preparation and reflection. Instructor and peer feedback will enhance this class, and allow tactical decision-making competencies.

ED 213. Curriculum and Evaluation in Health and Physical Education. 3 Hours.
This course introduces Health and Physical Education majors to curriculum design and policy. Students will explore how to create, design, organize and evaluate a K-12 Health or Physical Education curriculum. Students will also learn how such a curriculum would be implemented and be expected to relate how a curriculum map ensures that all appropriate Maine Learning Results and grade level competencies are included. This course addresses multiple outcomes relating to the curriculum found in InTASC.

ED 215. Teaching Elementary Health Education. 3 Hours.
This course covers the foundation for healthy habits and active lifestyles which are introduced and reinforced during the K-8 experience. Topics that build both self-esteem and character, along with experiential health and physical activities will be examined. The American Association for Health Education and the Maine Learning Results will be used in conjunction with curriculum guides as students design lessons and units in health education.

ED 222. Personal Health & Fitness. 3 Hours.
This course is designed to introduce the health and physical education student to a core of competencies to employ at the K-12 teaching levels. Several health topics will be covered including personal fitness, mental health, stress management, nutrition and diet, tobacco, and cardiovascular disease, as well as a variety of fitness and healthy experiences with an emphasis on actual participation in the activities.

ED 223. PE/Health Practicum I. 1 Hour.
The Practicum courses are one credit offerings designed to provide field experience for students enrolled in the three ED methods courses associated with their major. They are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement, most often within a school, secured by the clinical placement supervisor. This course is taken by physical education majors concurrently with ED 446. Prerequisite(s): ED 203.

ED 231. Curriculum, Instruction, and Assessment. 3 Hours.
This course is designed for students in the elementary/secondary education K – 12 programs. It is a general methods course for assessment, curriculum design, development and methods of instruction. This course focuses on the “what to teach”, “how to teach”, and “planning the context for teaching and learning” with the goal of providing an integrated approach in instruction. Such an integrated approach involves interventions (accommodations and modifications) in the design of instruction to teach all learners. This course ensures that pre-service teachers gain a broad knowledge in the methods of instruction as well as supporting diversity in the classroom. The course presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Prerequisite(s): ED 201.

ED 240. History and Philosophy of Physical Education. 3 Hours.
This course is an introduction to the philosophical and historical principles of health and physical education. It will include an historical overview of these education disciplines and cover current day principles. This course also offers an opportunity for critical examination of both theory and practice in the professions of health and physical education, wellness, sport and fitness.

ED 243. Team Sports/Tech & Strategies. 3 Hours.
Formal physical education, recreational and camp settings include games and strategies. It is the strategies component that enhances participation. Understanding game strategy promotes application of techniques and skills. Games research has also shown that the more strategy participants understand, the greater the chance of participation and satisfaction (Mitchell, S.). Thus tactical problem solving and teaching strategies will be the points of emphasis within a variety of invasion, net/wall, target, and striking/fielding games. Students will have the opportunity to learn skills, drills, techniques and strategies, and practice planning and teaching sport lessons during class.
ED 302. Adaptable and Developmentally-Appropriate Physical Education. 3 Hours.
Adapted and developmentally appropriate physical education programs are the art and science of developing, implementing, and monitoring carefully designed instructional programs to meet the unique needs of individuals. Teaching approaches are both task-specific and developmental in nature and the course is designed to enable teachers to successfully address a range of specific needs in the physical education setting. This course is based on authentic and comprehensive assessments to provide participants skills necessary for a lifetime of leisure, recreation, and sport experiences to enhance physical fitness, participation and wellness. Prerequisite(s): ED 201 and ED 213 and (ED 232 or ED 447).

ED 307. Technology in Education. 3 Hours.
This course surveys the history and structure of the field of instructional technology, with an emphasis on integrating as an educational tool. Students will experience creative skills and confidence necessary to use mainstream and emerging hardware and software available in most school settings. Prerequisite(s): ED 204 and ED 231.

ED 310. Educational Practicum I. 1 Hour.
ED 310 Education Practicum is the first classroom experience for university students considering the profession of teaching by spending time in an assigned classroom, students will shift their perspective from that of a student to that of a teacher. This experience is designed, in part, to provide students with the opportunity to interact with a mentor teacher and pupils in a classroom setting. The extent of involvement will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. This course is viewed as a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for participating students. Prerequisite(s): ED 203.

ED 314. Assessment Practices. 3 Hours.
Presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Students learn to construct and use paper-and-pencil, alternative, and standardized assessments; analyze objectives; use grading systems; and judge assessment quality.

ED 316. Methods in Science. 3 Hours.
Science education is presented with a constructivist approach. Students become familiar with curricular content, methodology, and instructional planning that stimulates scientific interest and concept formation. Resources for science education will be collected for future. With a constructivist approach in mind, techniques for assessing student inquiry processes are explored. Students also learn ways to use instructional and design technology to enhance lessons. Prerequisite(s): ED 204 and ED 231.

This course offers a hands-on, practical approach that introduces students to a variety of strategies they can directly implement upon entering a position as a 7-12 teacher of science. Concentrating on practical application rather than theoretical implications, students will refine and add to their repertoire of teaching strategies. We will begin by learning how differentiating activities, based upon learning styles and ability, can enhance the learning of each student in a classroom. Students will be engaged in the direct completion of project-based learning in the form of laboratory experiences, lesson building, and cooperative tasks. Direct implementation of current science project-based pedagogy will be the emphasis. Students will apply their understanding of the new methods by creating a series of mini-lessons, typical lessons, and projects that are reflective of their understanding. Teaching science is not just about creating lesson plans and writing labs – it is also about engaging students, maintaining their interested in science and devise a number of ways to motivate them to complete their learning tasks and raise their aspirations. Many classes will begin with sample laboratory experiences and will then progress forward to introduce, explain, and model different methods for instruction, questioning, and assessment; all within the context of product-based inquiry. The course will seek to help pre-service teachers to develop an understanding and appreciation of science. This will hopefully make an impression upon students to acquire knowledge, attitudes, and skills essential to science literacy. Prerequisite(s): ED 231 and ED 204.

ED 318. Teaching Students With Special Needs. 3 Hours.
This course is designed to provide Career and Technical Education (CTE) teachers, educational technicians and teachers-in-training the necessary skills to develop learning environments where all special needs students can be successful. It is built upon the foundations of current legislation, appropriate curricula, assessment modifications and individualized instruction using successful teaching strategies to provide improved levels of success for students with special needs.

ED 319. Methods in Secondary English. 3 Hours.
In this course students learn how to teach reading and writing genres with secondary students. We explore strategies and processes in the English Language Arts while connecting it to literacy across the curriculum. We explore literacy and technology, accommodations and differentiated learning, assessment, selection of literature to serve purposes for reading and writing, issues in the secondary classroom, and models of instruction. We will inquire into certain questions, such as, What methods work best with adolescents? How does technology fit into the classroom? Why is reflection a big deal? How does the English teacher address reading and writing in the content areas? What does being an English teacher mean? You will be both a student in the course, participating in practices, and a teacher, designing and implementing learning sequences. The course objectives address the Common Core, InTASC, and ISTE NETs standards. Prerequisite(s): ED 204 and ED 231.
ED 320. Education Practicum II. 1 Hour.
Education Practica provide classroom experience for university students thinking of becoming teachers. By spending time in an assigned classroom students will shift their perspective from that of a student to that of a teacher. These experiences should be viewed as pre-student teaching opportunities and are designed, in part, to provide university students with the opportunity to interact with a mentor teacher and students in a classroom setting. The extent of involvement with the mentor teacher will depend on his or her needs, the organization of the classroom, and the stage of development of the practicum student. Practicum students have varied backgrounds and experiences. These strengths and experiences should be utilized to enrich the learning opportunities for the students in the classroom and the practicum student. This program is a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for university students seeking a career in teaching. Prerequisite(s): ED 203.

ED 321. Educating Exceptional Students. 3 Hours.
Prepares classroom teachers to successfully educate students with disabilities within the regular classroom setting. While the primary focus is to manage the instructional requirements of students with disabilities, the course incorporates the legal and ethical standards for mainstreaming and the roles of parent advocacy and support groups. Additionally, students become familiar with instructional issues represented by students from culturally, ethnically, and socio-economically diverse populations. Course content also explores the importance of enhancing educational opportunities of diverse learners via procedural due process, diagnostic practices, and development of professional and parent collaboration.

ED 322. Education Practicum II. 1 Hour.
The Practicum courses are one credit courses designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 201 and ED 213 and ED 203.

ED 323. PE/Health Practicum II. 1 Hour.
This course, organized by trends in young adult literature, offers participants an opportunity to learn more about the young adult novel and other genres, how to select appropriate, high-quality books, how to incorporate it into a traditional classic-based classroom, and how to make the reading of young adult novels relevant to students’ lives. Through reading, discussing, and writing about books in different genres, students explore issues and trends including appropriateness in the classroom, close reading strategies, issues of diverse audiences and subject matter, the young adult and the canon, and literary theory such as reader response. Participants select books of their interest, read class books, and make connections to readings from the professional literature. The course integrates the Common Core and InTASC standards for teachers. It will help teachers find practical ways to integrate quality young adult novels into their curriculum, integrating teaching of literature and content areas, and making literature more accessible for their students. Prerequisite(s): ED 201.

ED 324. Young Adult Literature. 3 Hours.
This course provides an introduction to educational kinesiology and an overview of Brain Gym movements. Students will also learn a multi-step implementation process for increasing concentration, participation and problem-solving in the classroom. The highly interactive course design encourages the integration of Brain Gym techniques throughout the learning process.

ED 325. Brain Gym. 3 Hours.
This course provides an introduction to educational kinesiology and an overview of Brain Gym movements. Students will also learn a multi-step implementation process for increasing concentration, participation and problem-solving in the classroom. The highly interactive course design encourages the integration of Brain Gym techniques throughout the learning process.

ED 326. Children's Literature. 3 Hours.
This survey course provides an overview of children’s literature, its genres, authors, ideas for instruction and response, criteria of selection, children’s development, and the teacher as reader. Students will explore ways to bring children to diverse, contemporary children’s literature in the language arts and content areas while at the same time becoming more experienced, insightful, and informed readers of children’s literature. Prerequisite(s): ED 201.

ED 327. Methods in Teaching Writing in the Schools. 3 Hours.
This course is based on the belief that teachers of writing at any grade level teach with greater understanding when they are active writers themselves and when their writing has a place and function in the world. Participants practice in instruction that draws on research on teaching writing, in assessment of writing, and in the teaching of the writing process approach, conducting conferences, modeling, and writing in the content areas with applications in the classroom. Adapting instruction to the development of writers is included. Participants focus on how they, as teachers, solve problems in writing so they support young writers develop their writing. Strategies of instruction are explored through focused lessons addressing Common Core standards and demonstrated during our sessions. Integration of practicum experience and application of course principles and strategies are expected. Prerequisite(s): ED 204 and ED 231.
ED 350. Teaching Elementary and Secondary Health Education. 3 Hours. This course can help prepare elementary and secondary level health educators with information, classroom management techniques, instructional strategies and appropriate curriculum, as well as provide opportunities for teaching health lessons to peers with peer feedback. Prerequisite(s): ED 201 and ED 213.

ED 352. Emerging Trends in Career and Technical Education. 3 Hours. This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 380. Curriculum-based Instruction for the CTE Classroom and Shop. 3 Hours. This course will focus on brain-based learning, strategies to develop student skills as readers, writers, and thinkers, Quadrant D lesson planning, gradual release of responsibility model, and questioning techniques.

ED 381. Introduction to Effective Classroom Management. 3 Hours. This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 382. Introduction to CTE Classroom Teaching. 3 Hours. This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 383. E-Portfolio for Teachers. 3 Hours. This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 389. Educational Psychology. 3 Hours. The course examines the educational perspectives of K-12 students. Students in the course will incorporate the principles of educational psychology in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. Theories, principles, and issues investigated in this course are cognitive, linguistic, personal, social, emotional & moral development, and students with special needs. There will be an in depth study of how students learn in the areas of cognitive learning process, construction of knowledge, behavior views of learning, social cognitive learning and motivation. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. This is a third year course. Students will demonstrate their understanding by identifying the principles of educational psychology during visits to their assigned schools. Prerequisite(s): PY 111.

ED 404. Methods in Reading and Language Arts 4-8. 3 Hours. This course explores research-based reading and language arts practices in teaching students in grades four through eight. The course introduces assessment, curriculum, and instructional strategies that can be adapted for intermediate (GR 4-5) and middle school (GR 6-8) students. The course focuses on current methods to teach and assess reading and language arts include vocabulary, inquiry into essential questions, and content specific reading and writing. With the idea that assessment drives instruction, students practice approaches to teaching reading strategies, language experience, and literature-based explicit reading instruction with a focus on socio-cultural influences. Participants practice the assessment and instruction in an interactive environment where teacher is reader. Students develop professional awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 408. Methods in Reading and Language Arts, PK - 3. 3 Hours. The course introduces students to current, research-based methods in teaching reading and language arts to children in preschool through grade three. Topics include emergent literacy development, balanced literacy, spelling, oral language, writing, speaking, and listening. With the idea that assessment drives instruction, students practice using and analyzing data from a variety of assessment tools to plan and deliver instruction in reading and the language arts. Students will also explore how language arts are a result of cultural and social experiences. Students will connect methods and theory of reading and ELA with knowledge of genres in children's literature with a focus in selection of books and integration in instruction. This course is interactive and gives students the opportunity to practice the methods they learn. Students will develop the skills to guide children's experiences and learning, and develop professional perspective and awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 409. Methods in Mathematics. 3 Hours. This course introduces mathematic concepts and problem solving strategies along with real-world applications. Methods emphasize an active learning process in which children engage in guided discovery and problem solving opportunities. Teachers learn to coach youngsters to reflect on their process to clarify ideas for themselves and to share their thoughts with others. Models of engaged learning scenarios will be developed and discussed. Prerequisite(s): ED 204 and ED 231.

ED 410. Assessment in Health and Physical Education. 3 Hours. The focus of this course will be on measurement and assessment of achievement. Multiple practice opportunities will be provided in designing and implementing measurement/evaluation methods and tests recognizing that the ultimate purpose is to enhance the decision-making process so improvement can be made (Baumgartner, 2007). Both the classroom and lab will be utilized to implement health and physical education tests and evaluation. Students gain skills using assessments within physical education and health education content. Tools for assessing the levels of competency are utilized at each elementary and secondary grade level. Teacher preparation students will apply these assessment tools to current programs.

ED 411. CTE Assessment I. 3 Hours. This course will provide an introduction to the use of formative, summative and diagnostic assessments. Specific topics will include the appropriate use and design of certification tests as well as reading and math assessments.
ED 415. Methods in Social Studies. 3 Hours.
Methods in teaching Social Studies provides students with an overview of the field of Social Studies, selected issues in the field, and best practice strategies for teaching social studies in the K-8 classroom. Students will identify important social studies knowledge, skills, and dispositions; investigate how students learn most effectively; and apply this new learning to lesson/unit design and instruction. Curriculum will be aligned to both national and state standards for both social studies and literacy. Prerequisite(s): ED 204 and ED 231.

ED 419. Mentoring Children and Youth. 3 Hours.
Through experience in this course, students will develop a mentoring relationship with either an elementary or middle school student. Mentoring can be an intense process where a positive, adult role model is matched with a younger who needs assistance with academic efforts and social/behavior issues. This course will provide insight to many issues that surround a youngster's life. Issues and topics on poverty and education, cross-cultural competencies, tutoring skills, goal setting and violence in schools and society will be addressed.

ED 420. Physical Activity Programming in Youth Development. 3 Hours.
This class will provide a philosophical and practical base for working in youth development programs. This class will discuss the history of youth development programming, the current trends in youth development and the role of physical activity as a tool to better serve youth. This class will focus on programs that serve youth through physical activity, with special emphasis on goals of personal and social responsibility.

ED 421. Evaluating Youth Development Programs. 3 Hours.
Students will become aware of various models for evaluating youth development programs, and become familiar with the rationale and various assumptions for evaluating youth development programs. Students will also understand the various data sources for evaluating youth development programs, and be knowledgeable of the various ways to analyze, interpret, and disseminate data collected in the evaluation process.

ED 422. Educational Studies. 6 Hours.
ED 422 is the capstone experience for education students seeking future employment in a setting other than a traditional classroom. The 90-hour internship is spread over a minimum of twelve weeks and allows students to gain practical experience working with staff, learners, and other members of an agency or organization in a community setting (e.g. municipal recreations departments, public libraries, children's museums, social service agencies, etc.) During this field experience, students learn about the organization or agency, study the implementation and evaluation of its programming, and design a related project to contribute to the site. The connected on-campus class will provide an opportunity for students to share their experiences and provide peer feedback.

ED 423. PE/Health Practicum III. 1 Hour.
One credit practicum courses are designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 203.

ED 430. Educational Practicum III. 1 Hour.
Education practica provide classroom experiences for future teachers. These experiences are designed, in part, to provide students with the opportunity to interact with a mentor teacher (MT) and pupils in the classroom setting. The extent of involvement with an MT will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. Strengths and experiences gained from practica should enrich the learning in the classroom. Prerequisite(s): ED 203.

ED 440. Disease Prevention & Health Promotion. 3 Hours.
In this course, core competencies regarding disease prevention and health promotion will be obtained, practiced and employed. Students will build upon personal health and wellness skills, and incorporate diverse perspectives in designing and implementing a Health Promotion program.

ED 441. Community Health. 3 Hours.
Community Health encompasses the topics of public health issues, policies and community health services across the lifespan. Students also study global health issues, community health issues and the impact of environment, geographic location and socio-economic status on human health, as well as public policies and health services. In this course, students will research and present a community health education and picture project.

ED 444. Individual Sports & Lifetime Activities. 3 Hours.
This course is designed to provide an informational and experiential overview of pursuits that may be classified as individual sports and lifetime activities. Attention will be paid to what place these activities may have in schools, recreational programs and other programs associated with youth development and learning. The role of lifetime fitness and health will be discussed and explored.

ED 445. Comprehensive School Health. 3 Hours.
This course will focus on the need for comprehensive school health education for students and society. Students will examine the role of the health educator as coordinator of the school health program. National Health Standards will guide the curricula as students learn about policies, procedures and activities designed to promote K-12 healthy living.

ED 446. Elementary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques during the concurrent practicum ED 323 PE/Health Practicum II. Prerequisite(s): ED 201 and ED 213.

ED 447. Secondary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques by conducting lessons during the attached practicum experience. Prerequisite(s): ED 201 and ED 213.
ED 450. Student Teaching/Seminar in Teaching. 15 Hours.
ED 450 is the culminating experience of the Husson Teacher Education Program and occurs after all other coursework and requirements have been completed. It has two required concurrent sections: a sixteen-week student teaching field placement and a weekly capstone seminar in teaching. This dual approach is designed to integrate pedagogy and professional practice to ensure that clear connections are made by student teachers as they strive to become effective educators. The InTASC Model Core Teaching Standards and the National Educational Technology Standards for Teachers NETS-T provide the framework for both the student teaching section and the seminar. ED 450 is viewed as a collaborative undertaking among students, instructors, and supervising teachers.

ED 499. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer advanced courses in education that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

ED 600. Research Methods in Business and Education. 3 Hours.
This course is designed for graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

ED 601. Theoretical Foundations of Learning. 3 Hours.
This is an advanced study of the application of the principles of educational theory and psychology in teaching students PK–12. Theories, principles, and issues investigated in this course include cognitive, linguistic, personal, social, emotional and moral development, the role of educational theory in practice, and students with special needs. Students in the course will incorporate the principles of educational psychology and an array of theoretical frameworks in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. The course includes an in-depth study in the areas of cognitive process, construction of knowledge, behaviorists’ views of learning, social cognition, and motivation. Students will conduct analyses of learning theories in light of this knowledge. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. Emphasis will be on the development of successful academic and social interventions using an inquiry-based approach. Students will demonstrate their understanding by identifying the principles of educational psychology and learning theory in their school setting.

ED 603. Advanced Curriculum and Instruction. 3 Hours.
This graduate level core course is designed to enhance student understanding of curriculum content, design, policy, and instructional strategies through the application of curriculum theory, assessment and technology. Students acquire skills in planning the context for learning utilizing authentic experiences for diverse populations and the promotion of successful academic and social interventions using an inquiry-based approach. Identification and implementation of research-based instructional strategies are examined. Curricula are analyzed using an integrated approach to instruction that promotes grade level competency. Students demonstrate curricula mapping in accordance with Maine standards.

ED 701. Introduction to School Guidance Counseling. 3 Hours.
This course will survey the philosophy, objectives, principles and program of comprehensive developmental school guidance programs at the K-12 level. The course will focus on National and State Models of School Counseling.

ED 702. Advanced Assessment Practices. 3 Hours.
In this advanced assessment course, students will develop an understanding of current trends, issues, and practices in assessment and apply their understanding to classroom, school, and district practices. This core course in the Master of Education program is conducted in seminar format. Students prepare for course meetings and participate in whole group discussions online and in person related to the readings, current practice, experience in assessment, and knowledge of trends and issues, making connections between the theory and classroom, and school-wide practices. Students will create and reflect upon online discussions to analyze the strengths and purposes of assessment instruments, analyze data, evaluate recommendations and interventions based on assessment findings and synthesize the information in communication appropriate to different stakeholders, colleagues, administrators, and families. Students will present practices, findings of research, analyses of assessments in multi-media presentations and develop an e-portfolio documenting the processes of the course, the self-evaluation, and the learning in the course.

ED 705. The Changing Role of the School Counselor. 3 Hours.
This course will review the historical and philosophical bases for school counseling programs, explore traditional roles for the school counselor, and examine the ethical and legal responsibilities of school guidance counselors. Focus will be given to recent applications of contemporary theories in educational settings as well as the role of the counselor in assisting all students in academic, career, and personal/social domains.

ED 706. STEM in the Classroom. 3 Hours.
This course provides the foundations of science, technology, engineering, and math (STEM) education disciplines based upon the Next Generation Science Standards (NGSS) and the Math and ELA Common Core Standards. The approach used will be a multi-disciplinary experiential learning method that will engage participants in scientific and mathematical practices that can be directly applied in the classroom to help learners make connections across curricula. Core topics include STEM pedagogy, the nature of STEM education disciplines, integrative STEM learning, and deepening knowledge within the STEM disciplines. Course objectives are grounded in the the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 707. Literacy Across the Curriculum. 3 Hours.
This advanced course explores how literacy, broadly defined as reading, writing, talking, viewing, representing, and listening, can be a tool for thinking and learning in the content areas for all PK-12 students in different school environments of a diverse and globalized society. The course provides opportunity for participants to discuss and practice inquiry-based approaches that support learning and literacy development in the content areas, while integrating technology and instruction and connecting reading and writing. The course includes the genres and texts that teachers might use in the teaching of reading for different purposes. Professional and research literature are included. The workshop/seminar format of the course is interactive and includes lectures and demonstrations as students become more knowledgeable with respect to ethical decision-making, social responsibility, and reflective practice. Class participants will serve as resources, collaborators and teachers through in-class discussions, group work, and projects.
ED 708. Advanced Classroom Management. 3 Hours.
This course is designed to assist the classroom teacher in creating a climate that is safe and conducive to learning for all students in the inclusive classroom setting. Students will expand and apply their knowledge of theory and practical strategies for classroom management and student engagement. Through inquiry based study, learners will gain increased knowledge of effective strategies to implement when dealing with challenging student behaviors. Students will gain advanced skills with which to manage the inclusive classroom and be able to more effectively engage students and parents.

ED 799. Topic/. 1 Hour.
Selected topics are offered centering on the needs and interests of the students and the availability of expert faculty.

ED 809. Integrating Technology into Instruction. 3 Hours.
This course introduces students to a variety of technologies and computer applications that can enhance teaching, assessment, and the learning process. Class sessions and projects involve critically examining the theory and practice of using technologies to augment learning. Course objectives are grounded in the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 810. Controversial Issues in Educational Leadership. 3 Hours.
This course provides an overview of formal and informal models of teacher leadership as well as the opportunity for in-depth analyses of relevant topics from the current and past centuries. Students explore emerging trends that address leadership opportunities for teachers and issues related to group dynamics, motivation, communication, ethics, and human relations. Course topics also include educator evaluation, the nationalization of standards and assessment, standards-based education, globalization, diversity, and technology. Skills and strategies for effective leadership are developed, especially those related to organizational change, ethical decision-making, and team building.

ED 868. M.Ed. Capstone. 3 Hours.
Students will complete a supervised experience, thesis, or special project in their area of interest that has been pre-approved by the department. Prerequisite(s): ED 601 and ED 603 and ED 702 and ED 706 and ED 707 and ED 708 and ED 809 and ED 810 and CO 704 and BA 600.

B.S. Secondary Education

The B.S. in Secondary Education prepares students for Maine licensure to teach grades 7 through 12. Students may attain endorsements under Chapter 115 in the following areas: English, Life Science, or Physical Science. To prepare students for teacher certification, the School of Education has developed concentrations with courses that enhance knowledge in those fields.

Program Outline

The program outline indicates the types of courses students need to take in Secondary Education. A significant number of required courses in the first two years are liberal arts courses. Starting from the third year, students will begin to take the professional educational courses and the courses related to their concentration. Student teaching is one of the experiential learning requirements, and the seminar in teaching is for developing an exit portfolio based on the cumulative experiences students have had to indicate their accomplishment in the program. These are scheduled in the final semester of study.

The program experiences in Secondary Education include four areas:
Courses

ED 201. Phil Foundations of Education. 3 Hours.
An integral component for all education majors, this course is designed to provide a basic understanding of the rewarding, yet challenging, teaching profession. Students broadly explore an overview of the educational field and its philosophical, political, legal, and social foundations. Current issues impacting education in a changing society will be examined. Coursework is intended to stimulate thoughtful reflection as students use information to develop their own beliefs concerning educational issues. Education Students will complete their first 30 hour clinical (ED 203) as part of this course. Students in other majors are not required to complete the Clinical Experience.

ED 202. Methods of Teaching Outdoor and Adventure Education. 3 Hours.
The course is designed to expose students to a variety of outdoor experiences with an emphasis on student participation in the activities. Students will also explore ways to incorporate outdoor in a variety of educational settings. Mastery of certain skills and the methodology employed in presenting these skills will be central to the course. Examples of the types of activities that may be covered through the course include canoeing, hiking, mountain biking, orienteering, camping skills, outdoor games, and an introduction to winter sports.

ED 203. Clinical Experience. 0 Hours.
All Education students are required to complete one 30 clock-hour block of a non-credit clinical observation experience in K-12 schools. This experience is completed as part of ED 201 Philosophical Foundations of Education and is designed to allow students to better understand the profession by observing experienced teachers in classroom settings. Through this experience, future educators will gain an appreciation of what happens “behind the scenes” in schools and other professional settings. Prerequisite(s): ED 201.

ED 204. Classroom Management. 3 Hours.
This course is designed to explore classroom management practices in educational settings. The course is taken concurrently with an education practicum so students will be able to observe and implement the techniques of practicing teachers in the areas of behavior modification, social skills training, and classroom management structures.

ED 208. Skills Activities. 3 Hours.
This course explores the application of learning and performance of motor skills in a variety of activities. Dance, racquet sports, aquatics and track/field will be participatory and allow students to gain experiential opportunities with instruction, drill progression, strategies, equipment and facility preparation and reflection. Instructor and peer feedback will enhance this class, and allow tactical decision-making competencies.

ED 213. Curriculum and Evaluation in Health and Physical Education. 3 Hours.
This course introduces Health and Physical Education majors to curriculum design and policy. Students will explore how to create, design, organize and evaluate a K-12 Health or Physical Education curriculum. Students will also learn how such a curriculum would be implemented and be expected to relate how a curriculum map ensures that all appropriate Maine Learning Results and grade level competencies are included. This course addresses multiple outcomes relating to the curriculum found in InTASC.

ED 215. Teaching Elementary Health Education. 3 Hours.
This course covers the foundation for healthy habits and active lifestyles which are introduced and reinforced during the K-8 experience. Topics that build both self-esteem and character, along with experiential health and physical activities will be examined. The American Association for Health Education and the Maine Learning Results will be used in conjunction with curriculum guides as students design lessons and units in health education.

ED 222. Personal Health & Fitness. 3 Hours.
This course is designed to introduce the health and physical education student to a core of competences to employ at the K-12 teaching levels. Several health topics will be covered including personal fitness, mental health, stress management, nutrition and diet, tobacco, and cardiovascular disease, as well as a variety of fitness and healthy experiences with an emphasis on actual participation in the activities.

ED 223. PE/Health Practicum I. 1 Hour.
The Practicum courses are one credit offerings designed to provide field experience for students enrolled in the three ED methods courses associated with their major. They are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement, most often within a school, secured by the clinical placement supervisor. This course is taken by physical education majors concurrently with ED 446. Prerequisite(s): ED 203.

ED 231. Curriculum, Instruction, and Assessment. 3 Hours.
This course is designed for students in the elementary/secondary education K – 12 programs. It is a general methods course for assessment, curriculum design, development and methods of instruction. This course focuses on the “what to teach”, “how to teach”, and “planning the context for teaching and learning” with the goal of providing an integrated approach in instruction. Such an integrated approach involves interventions (accommodations and modifications) in the design of instruction to teach all learners. This course ensures that pre-service teachers gain a broad knowledge in the methods of instruction as well as supporting diversity in the classroom. The course presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Prerequisite(s): ED 201.

ED 240. History and Philosophy of Physical Education. 3 Hours.
This course is an introduction to the philosophical and historical principles of health and physical education. It will include an historical overview of these education disciplines and cover current day principles. This course also offers an opportunity for critical examination of both theory and practice in the professions of health and physical education, wellness, sport and fitness.

ED 243. Team Sports/Tech & Strategies. 3 Hours.
Formal physical education, recreational and camp settings include games and strategies. It is the strategies component that enhances participation. Understanding game strategy promotes application of techniques and skills. Games research has also shown that the more strategy participants understand, the greater the chance of participation and satisfaction (Mitchell, S.). Thus tactical problem solving and teaching strategies will be the points of emphasis within a variety of invasion, net/wall, target, and striking/fielding games. Students will have the opportunity to learn skills, drills, techniques and strategies, and practice planning and teaching sport lessons during class.
ED 302. Adapted and Developmentally-Appropriate Physical Education. 3 Hours.
Adapted and developmentally appropriate physical education programs are the art and science of developing, implementing, and monitoring carefully designed instructional programs to meet the unique needs of individuals. Teaching approaches are both task-specific and developmental in nature and the course is designed to enable teachers to successfully address a range of specific needs in the physical education setting. This course is based on authentic and comprehensive assessments to give participants skills necessary for a lifetime of leisure, recreation, and sport experiences to enhance physical fitness, participation and wellness. Prerequisite(s): ED 201 and ED 213 and (ED 232 or ED 447).

ED 307. Technology in Education. 3 Hours.
This course surveys the history and structure of the field of instructional technology, with an emphasis on integrating as an educational tool. Students will experience creative skills and confidence necessary to use mainstream and emerging hardware and software available in most school settings. Prerequisite(s): ED 204 and ED 231.

ED 310. Educational Practicum I. 1 Hour.
ED 310 Education Practicum is the first classroom experience for university students considering the profession of teaching by spending time in an assigned classroom, students will shift their perspective from that of a student to that of a teacher. This experience is designed, in part, to provide students with the opportunity to interact with a mentor teacher and pupils in a classroom setting. The extent of involvement will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. This course is viewed as a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for participating students. Prerequisite(s): ED 203.

ED 314. Assessment Practices. 3 Hours.
Presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Students learn to construct and use paper-and-pencil, alternative, and standardized assessments; analyze objectives; use grading systems; and judge assessment quality.

ED 316. Methods in Science. 3 Hours.
Science education is presented with a constructivist approach. Students become familiar with curricular content, methodology, and instructional planning that stimulates scientific interest and concept formation. Resources for science education will be collected for future. With a constructivist approach in mind, techniques for assessing student inquiry processes are explored. Students also learn ways to use instructional and design technology to enhance lessons. Prerequisite(s): ED 204 and ED 231.

This course offers a hands-on, practical approach that introduces students to a variety of strategies they can directly implement upon entering a position as a 7-12 teacher of science. Concentrating on practical application rather than theoretical implications, students will refine and add to their repertoire of teaching strategies. We will begin by learning how differentiating activities, based upon learning styles and ability, can enhance the learning of each student in a classroom. Students will be engaged in the direct completion of project-based learning in the form of laboratory experiences, lesson building, and cooperative tasks. Direct implementation of current science project-based pedagogy will be the emphasis. Students will apply their understanding of the new methods by creating a series of mini-lessons, typical lessons, and projects that are reflective of their understanding. Teaching science is not just about creating lesson plans and writing labs – it is also about engaging students, maintaining their interested in science and devise a number of ways to motivate them to complete their learning tasks and raise their aspirations. Many classes will begin with sample laboratory experiences and will then progress forward to introduce, explain, and model different methods for instruction, questioning, and assessment; all within the context of product-based inquiry. The course will seek to help pre-service teachers to develop an understanding and appreciation of science. This will hopefully make an impression upon students to acquire knowledge, attitudes, and skills essential to science literacy. Prerequisite(s): ED 231 and ED 204.

ED 318. Teaching Students With Special Needs. 3 Hours.
This course is designed to provide Career and Technical Education (CTE) teachers, educational technicians and teachers-in-training the necessary skills to develop learning environments where all special needs students can be successful. It is built upon the foundations of current legislation, appropriate curricula, assessment modifications and individualized instruction using successful teaching strategies to provide improved levels of success for students with special needs.

ED 319. Methods in Secondary English. 3 Hours.
In this course students learn how to teach reading and writing genres with secondary students. We explore strategies and processes in the English Language Arts while connecting it to literacy across the curriculum. We explore literacy and technology, accommodations and differentiated learning, assessment, selection of literature to serve purposes for reading and writing, issues in the secondary classroom, and models of instruction. We will inquire into certain questions, such as, What methods work best with adolescents? How does technology fit into the classroom? Why is reflection a big deal? How does the English teacher address reading and writing in the content areas? What does being an English teacher mean? You will be both a student in the course, participating in practices, and a teacher, designing and implementing learning sequences. The course objectives address the Common Core, InTASC, and ISTE NETs standards. Prerequisite(s): ED 204 and ED 231.
ED 320. Education Practicum II. 1 Hour.
Education Practica provide classroom experience for university students thinking of becoming teachers. By spending time in an assigned classroom students will shift their perspective from that of a student to that of a teacher. These experiences should be viewed as pre-student teaching opportunities and are designed, in part, to provide university students with the opportunity to interact with a mentor teacher and students in a classroom setting. The extent of involvement with the mentor teacher will depend on his or her needs, the organization of the classroom, and the stage of development of the practicum student. Practicum students have varied backgrounds and experiences. These strengths and experiences should be utilized to enrich the learning opportunities for the students in the classroom and the practicum student. This program is a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for university students seeking a career in teaching. Prerequisite(s): ED 203.

ED 321. Educating Exceptional Students. 3 Hours.
Prepares classroom teachers to successfully educate students with disabilities within the regular classroom setting. While the primary focus is to manage the instructional requirements of students with disabilities, the course incorporates the legal and ethical standards for mainstreaming and the roles of parent advocacy and support groups. Additionally, students become familiar with instructional issues represented by students from culturally, ethnically, and socio-economically diverse populations. Course content also explores the importance of enhancing educational opportunities of diverse learners via procedural due process, diagnostic practices, and development of professional and parent collaboration.

ED 323. PE/Health Practicum II. 1 Hour.
The Practicum courses are one credit courses designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 201 and ED 213 and ED 203.

ED 324. Young Adult Literature. 3 Hours.
This course, organized by trends in young adult literature, offers participants an opportunity to learn more about the young adult novel and other genres, how to select appropriate, high-quality books, how to incorporate it into a traditional classic-based classroom, and how to make the reading of young adult novels relevant to students’ lives. Through reading, discussing, and writing about books in different genres, students explore issues and trends including appropriateness in the classroom, close reading strategies, issues of diverse audiences and subject matter, the young adult and the canon, and literary theory such as reader response. Participants select books of their interest, read class books, and make connections to readings from the professional literature. The course integrates the Common Core and InTASC standards for teachers. It will help teachers find practical ways to integrate quality young adult novels into their curriculum, integrating teaching of literature and content areas, and making literature more accessible for their students. Prerequisite(s): ED 201.

ED 325. Brain Gym. 3 Hours.
This course provides an introduction to educational kinesiology and an overview of Brain Gym movements. Students will also learn a multi-step implementation process for increasing concentration, participation and problem-solving in the classroom. The highly interactive course design encourages the integration of Brain Gym techniques throughout the learning process.

ED 328. Children’s Literature. 3 Hours.
This survey course provides an overview of children’s literature, its genres, authors, ideas for instruction and response, criteria of selection, children’s development, and the teacher as reader. Students will explore ways to bring children to diverse, contemporary children’s literature in the language arts and content areas while at the same time becoming more experienced, insightful, and informed readers of children’s literature. Prerequisite(s): ED 201.

ED 330. Substance Abuse and Prevention. 3 Hours.
Society faces abuse challenges as a result of domestic and global sources of addictive substances. This course offers an opportunity for critical examination of both theory and practice as students analyze available data on substances such as nicotine, caffeine, alcohol, over the counter drugs, prescriptive drugs and illegal drugs. Students also examine the role family, friends, education, the media and/or marketing may play in the decision-making process of individuals. Drug prevention programs and rehabilitative programs are reviewed with video input from professionals. Course content is drawn from videos, interviews, research, case analysis, projects and online discussion. These serve as reflective tools to build the student’s knowledge.

ED 332. Methods in Teaching Writing in the Schools. 3 Hours.
This course is based on the belief that teachers of writing at any grade level teach with greater understanding when they are active writers themselves and when their writing has a place and function in the world. Participants practice instruction that draws on research on teaching writing, in assessment of writing, and in the teaching of the writing process approach, conducting conferences, modeling, and writing in the content areas with applications in the classroom. Adapting instruction to the development of writers is included. Participants focus on how they, as teachers, solve problems in writing so they support young writers develop their writing. Strategies of instruction are explored through focused lessons addressing Common Core standards and demonstrated during our sessions. Integration of practicum experience and application of course principles and strategies are expected. Prerequisite(s): ED 204 and ED 231.
ED 350. Teaching Elementary and Secondary Health Education. 3 Hours.
This course can help prepare elementary and secondary level health educators with information, classroom management techniques, instructional strategies and appropriate curriculum, as well as provide opportunities for teaching health lessons to peers with peer feedback. Prerequisite(s): ED 201 and ED 213.

ED 352. Emerging Trends in Career and Technical Education. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 380. Curriculum-based Instruction for the CTE Classroom and Shop. 3 Hours.
This course will focus on brain-based learning, strategies to develop student skills as readers, writers, and thinkers, Quadrant D lesson planning, gradual release of responsibility model, and questioning techniques.

ED 381. Introduction to Effective Classroom Management. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 382. Introduction to CTE Classroom Teaching. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 383. E-Portfolio for Teachers. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 389. Educational Psychology. 3 Hours.
The course examines the educational perspectives of K-12 students. Students in the course will incorporate the principles of educational psychology in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. Theories, principles, and issues investigated in this course are cognitive, linguistic, personal, social, emotional & moral development, and students with special needs. There will be an in-depth study of how students learn in the areas of cognitive learning process, construction of knowledge, behavior views of learning, social cognitive learning and motivation. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. This is a third year course. Students will demonstrate their understanding by identifying the principles of educational psychology during visits to their assigned schools. Prerequisite(s): PY 111.

ED 404. Methods in Reading and Language Arts 4-8. 3 Hours.
This course explores research-based reading and language arts practices in teaching students in grades four through eight. The course introduces assessment, curriculum, and instructional strategies that can be adapted for intermediate (GR 4-5) and middle school (GR 6-8) students. The course focuses on current methods to teach and assess reading and language arts include vocabulary, inquiry into essential questions, and content specific reading and writing. With the idea that assessment drives instruction, students practice approaches to teaching reading strategies, language experience, and literature-based explicit reading instruction with a focus on socio-cultural influences. Participants practice the assessment and instruction in an interactive environment where teacher is reader. Students develop professional awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 408. Methods in Reading and Language Arts, PK - 3. 3 Hours.
The course introduces students to current, research-based methods in teaching reading and language arts to children in preschool through grade three. Topics include emergent literacy development, balanced literacy, spelling, oral language, writing, speaking, and listening. With the idea that assessment drives instruction, students will practice using and analyzing data from a variety of assessment tools to plan and deliver instruction in reading and the language arts. Students will also explore how language arts are a result of cultural and social experiences. Students will connect methods and theory of reading and ELA with knowledge of genres in children's literature with a focus in selection of books and integration in instruction. This course is interactive and gives students the opportunity to practice the methods they learn. Students will develop the skills to guide children's experiences and learning, and develop professional perspective and awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 409. Methods in Mathematics. 3 Hours.
This course introduces mathematical concepts and problem solving strategies along with real-world applications. Methods emphasize an active learning process in which children engage in guided discovery and problem solving opportunities. Teachers learn to coach youngsters to reflect on their process to clarify ideas for themselves and to share their thoughts with others. Models of engaged learning scenarios will be developed and discussed. Prerequisite(s): ED 204 and ED 231.

ED 410. Assessment in Health and Physical Education. 3 Hours.
The focus of this course will be on measurement and assessment of achievement. Multiple practice opportunities will be provided in designing and implementing measurement/evaluation methods and tests recognizing that the ultimate purpose is to enhance the decision-making process so improvement can be made (Baumgartner, 2007). Both the classroom and lab will be utilized to implement health and physical education tests and evaluation. Students gain skills using assessments within physical education and health education content. Tools for assessing the levels of competency are utilized at each elementary and secondary grade level. Teacher preparation students will apply these assessment tools to current programs.

ED 411. CTE Assessment I. 3 Hours.
This course will provide an introduction to the use of formative, summative and diagnostic assessments. Specific topics will include the appropriate use and design of certification tests as well as reading and math assessments.
ED 415. Methods in Social Studies. 3 Hours.
Methods in teaching Social Studies provides students with an overview of the field of Social Studies, selected issues in the field, and best practice strategies for teaching social studies in the K-8 classroom. Students will identify important social studies knowledge, skills, and dispositions; investigate how students learn most effectively; and apply this new learning to lesson/unit design and instruction. Curriculum will be aligned to both national and state standards for both social studies and literacy. Prerequisite(s): ED 204 and ED 231.

ED 419. Mentoring Children and Youth. 3 Hours.
Through experience in this course, students will develop a mentoring relationship with either an elementary or middle school student. Mentoring can be an intense process where a positive, adult role model is matched with a youngster who needs assistance with academic efforts and social/behavior issues. This course will provide insight to many issues that surround a youngster’s life. Issues and topics on poverty and education, cross-cultural competencies, tutoring skills, goal setting and violence in schools and society will be addressed.

ED 420. Physical Activity Programming in Youth Development. 3 Hours.
This class will provide a philosophical and practical base for working in youth development programs. This class will discuss the history of youth development programming, the current trends in youth development and the role of physical activity as a tool to better serve youth. This class will focus on programs that serve youth through physical activity, with special emphasis on goals of personal and social responsibility.

ED 421. Evaluating Youth Development Programs. 3 Hours.
Students will become aware of various models for evaluating youth development programs, and become familiar with the rationale and various assumptions for evaluating youth development programs. Students will also understand the various data sources for evaluating youth development programs, and be knowledgeable of the various ways to analyze, interpret, and disseminate data collected in the evaluation process.

ED 422. Educational Studies. 6 Hours.
ED 422 is the capstone experience for education students seeking future employment in a setting other than a traditional classroom. The 90-hour internship is spread over a minimum of twelve weeks and allows students to gain practical experience working with staff, learners, and other members of an agency or organization in a community setting (e.g. municipal recreations departments, public libraries, children’s museums, social service agencies, etc.) During this field experience, students learn about the organization or agency, study the implementation and evaluation of its programming, and design a related project to contribute to the site. The connected on-campus class will provide an opportunity for students to share their experiences and provide peer feedback.

ED 423. PE/Health Practicum III. 1 Hour.
One credit practicum courses are designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 203.

ED 430. Educational Practicum III. 1 Hour.
Education practica provide classroom experiences for future teachers. These experiences are designed, in part, to provide students with the opportunity to interact with a mentor teacher (MT) and pupils in the classroom setting. The extent of involvement with an MT will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. Strengths and experiences gained from practica should enrich the learning in the classroom. Prerequisite(s): ED 203.

ED 440. Disease Prevention & Health Promotion. 3 Hours.
In this course, core competencies regarding disease prevention and health promotion will be obtained, practiced and employed. Students will build upon personal health and wellness skills, and incorporate diverse perspectives in designing and implementing a Health Promotion program.

ED 441. Community Health. 3 Hours.
Community Health encompasses the topics of public health issues, policies and community health services across the lifespan. Students also study global health issues, community health issues and the impact of environment, geographic location and socio-economic status on human health, as well as public policies and health services. In this course, students will research and present a community health education and picture project.

ED 444. Individual Sports & Lifetime Activities. 3 Hours.
This course is designed to provide an informational and experiential overview of pursuits that may be classified as individual sports and lifetime activities. Attention will be paid to what place these activities may have in schools, recreational programs and other programs associated with youth development and learning. The role of lifetime fitness and health will be discussed and explored.

ED 445. Comprehensive School Health. 3 Hours.
This course will focus on the need for comprehensive school health education for students and society. Students will examine the role of the health educator as coordinator of the school health program. National Health Standards will guide the curricula as students learn about policies, procedures and activities designed to promote K-12 healthy living.

ED 446. Elementary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques during the concurrent practicum. Prerequisite(s): ED 201 and ED 213.

ED 447. Secondary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques by conducting lessons during the attached practicum experience. Prerequisite(s): ED 201 and ED 213.
ED 450. Student Teaching/Seminar in Teaching. 15 Hours.
ED 450 is the culminating experience of the Husson Teacher Education Program and occurs after all other coursework and requirements have been completed. It has two required concurrent sections: a sixteen-week student teaching field placement and a weekly capstone seminar in teaching. This dual approach is designed to integrate pedagogy and professional practice to ensure that clear connections are made by student teachers as they strive to become effective educators. The InTASC Model Core Teaching Standards and the National Educational Technology Standards for Teachers NETS-T provide the framework for both the student teaching section and the seminar. ED 450 is viewed as a collaborative undertaking among students, instructors, and supervising teachers.

ED 499. Topic. 1-3 Hour.
This course is intended to provide the opportunity to offer advanced courses in education that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

ED 600. Research Methods in Business and Education. 3 Hours.
This course is designed for graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

ED 601. Theoretical Foundations of Learning. 3 Hours.
This is an advanced study of the application of the principles of educational theory and psychology in teaching students PK–12. Theories, principles, and issues investigated in this course include cognitive, linguistic, personal, social, emotional and moral development, the role of educational theory in practice, and students with special needs. Students in the course will incorporate the principles of educational psychology and an array of theoretical frameworks in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. The course includes an in-depth study in the areas of cognitive process, construction of knowledge, behaviorists' views of learning, social cognition, and motivation. Students will conduct analyses of learning theories in light of this knowledge. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. Emphasis will be on the development of successful academic and social interventions using an inquiry-based approach. Students will demonstrate their understanding by identifying the principles of educational psychology and learning theory in their school setting.

ED 603. Advanced Curriculum and Instruction. 3 Hours.
This graduate level core course is designed to enhance student understanding of curriculum content, design, policy, and instructional strategies through the application of curriculum theory, assessment and technology. Students acquire skills in planning the context for learning utilizing authentic experiences for diverse populations and the promotion of successful academic and social interventions using an inquiry-based approach. Identification and implementation of research-based instructional strategies are examined. Curricula are analyzed using an integrated approach to instruction that promotes grade level competency. Students demonstrate curricula mapping in accordance with Maine standards.

ED 701. Introduction to School Guidance Counseling. 3 Hours.
This course will survey the philosophy, objectives, principles and program of comprehensive developmental school guidance programs at the K-12 level. The course will focus on National and State Models of School Counseling.

ED 702. Advanced Assessment Practices. 3 Hours.
In this advanced assessment course, students will develop an understanding of current trends, issues, and practices in assessment and apply their understanding to classroom, school, and district practices. This core course in the Master of Education program is conducted in seminar format. Students prepare for course meetings and participate in whole group discussions online and in person related to the readings, current practice, experience in assessment, and knowledge of trends and issues, making connections between the theory and classroom, and school-wide practices. Students will create and reflect upon online discussions to analyze the strengths and purposes of assessment instruments, analyze data, evaluate recommendations and interventions based on assessment findings and synthesize the information in communication appropriate to different stakeholders, colleagues, administrators, and families. Students will present practices, findings of research, analyses of assessments in multi-media presentations and develop an e-portfolio documenting the processes of the course, the self-evaluation, and the learning in the course.

ED 705. The Changing Role of the School Counselor. 3 Hours.
This course will review the historical and philosophical bases for school counseling programs, explore traditional roles for the school counselor, and examine the ethical and legal responsibilities of school guidance counselors. Focus will be given to recent applications of contemporary theories in educational settings as well as the role of the counselor in assisting all students in academic, career, and personal/social domains.

ED 706. STEM in the Classroom. 3 Hours.
This course provides the foundations of science, technology, engineering, and math (STEM) education disciplines based upon the Next Generation Science Standards (NGSS) and the Math and ELA Common Core Standards. The approach used will be a multi-disciplinary experiential learning method that will engage participants in scientific and mathematical practices that can be directly applied in the classroom to help learners make connections across curricula. Core topics include STEM pedagogy, the nature of STEM education disciplines, integrative STEM learning, and deepening knowledge within the STEM disciplines. Course objectives are grounded in the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 707. Literacy Across the Curriculum. 3 Hours.
This advanced course explores how literacy, broadly defined as reading, writing, talking, viewing, representing, and listening, can be a tool for thinking and learning in the content areas for all PK-12 students in different school environments of a diverse and globalized society. The course provides opportunity for participants to discuss and practice inquiry-based approaches that support learning and literacy development in the content areas, while integrating technology and instruction and connecting reading and writing. The course includes the genres and texts that teachers might use in the teaching of reading for different purposes. Professional and research literature are included. The workshop/seminar format of the course is interactive and includes lectures and demonstrations as students become more knowledgeable with respect to ethical decision-making, social responsibility, and reflective practice. Class participants will serve as resources, collaborators and teachers through in-class discussions, group work, and projects.
ED 708. Advanced Classroom Management. 3 Hours.
This course is designed to assist the classroom teacher in creating a climate that is safe and conducive to learning for all students in the inclusive classroom setting. Students will expand and apply their knowledge of theory and practical strategies for classroom management and student engagement. Through inquiry based study, learners will gain increased knowledge of effective strategies to implement when dealing with challenging student behaviors. Students will gain advanced skills with which to manage the inclusive classroom and be able to more effectively engage students and parents.

ED 799. Topic/. 1 Hour.
Selected topics are offered centering on the needs and interests of the students and the availability of expert faculty.

ED 809. Integrating Technology into Instruction. 3 Hours.
This course introduces students to a variety of technologies and computer applications that can enhance teaching, assessment, and the learning process. Class sessions and projects involve critically examining the theory and practice of using technologies to augment learning.
Course objectives are grounded in the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 810. Contemporary Issues in Educational Leadership. 3 Hours.
This course provides an overview of formal and informal models of teacher leadership as well as the opportunity for in-depth analyses of relevant topics from the current and past centuries. Students explore emerging trends that address leadership opportunities for teachers and issues related to group dynamics, motivation, communication, ethics, and human relations. Course topics also include educator evaluation, emerging trends that address leadership opportunities for teachers and relevant topics from the current and past centuries. Students explore teacher leadership as well as the opportunity for in-depth analyses of the inclusive classroom setting. Students will expand and apply their knowledge of theory and practical strategies for classroom management and student engagement. Through inquiry based study, learners will gain increased knowledge of effective strategies to implement when dealing with challenging student behaviors. Students will gain advanced skills with which to manage the inclusive classroom and be able to more effectively engage students and parents.

ED 868. M.Ed. Capstone. 3 Hours.
Students will complete a supervised experience, thesis, or special project in their area of interest that has been pre-approved by the department. Prerequisite(s): ED 601 and ED 603 and ED 702 and ED 706 and ED 707 and ED 708 and ED 809 and ED 810 and CO 704 and BA 600.

B.S. in Secondary Education English Concentration (7-12)

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
</tr>
<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
<td>3</td>
</tr>
<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
</tr>
<tr>
<td>HE 111</td>
<td>The Husson Experience ***</td>
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<tr>
<td>HY 111</td>
<td>United States History I</td>
<td>3</td>
</tr>
<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
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</tr>
<tr>
<td>PH 110</td>
<td>Introduction to Ethics</td>
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</tr>
<tr>
<td>PY 111</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 141</td>
<td>Human Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>PY 322</td>
<td>Diversity &amp; Multiculturalism</td>
<td>3</td>
</tr>
<tr>
<td>SC 104</td>
<td>Organismal Biology</td>
<td>3</td>
</tr>
<tr>
<td>SY 201</td>
<td>Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts Elective</td>
<td></td>
<td>3</td>
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<tr>
<td>Foreign Cult. &amp; Conv. Elect.</td>
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Open Elective | 6 |
Lab Science Elective | 3-4 |

English Courses

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<th>Hours</th>
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<tbody>
<tr>
<td>EH 229</td>
<td>Introduction to Poetry</td>
<td>3</td>
</tr>
<tr>
<td>EH 230</td>
<td>Introduction to the Short Story</td>
<td>3</td>
</tr>
<tr>
<td>EH 234</td>
<td>American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>EH 235</td>
<td>American Literature II</td>
<td>3</td>
</tr>
<tr>
<td>EH 241</td>
<td>British Literature I</td>
<td>3</td>
</tr>
<tr>
<td>EH 275</td>
<td>Creative Writing Workshop</td>
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<tr>
<td>EH 352</td>
<td>Advanced Writing Internship</td>
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<td>English Elective</td>
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Education Courses

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<tbody>
<tr>
<td>ED 201</td>
<td>Phil Foundations of Education</td>
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</tr>
<tr>
<td>ED 203</td>
<td>Clinical Experience</td>
<td>0</td>
</tr>
<tr>
<td>ED 204</td>
<td>Classroom Management *</td>
<td>3</td>
</tr>
<tr>
<td>ED 231</td>
<td>Curriculum, Instruction, and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>ED 307</td>
<td>Technology in Education</td>
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<tr>
<td>ED 310</td>
<td>Educational Practicum I ***</td>
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<tr>
<td>ED 319</td>
<td>Methods in Secondary English ***</td>
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</tr>
<tr>
<td>ED 320</td>
<td>Education Practicum II ***</td>
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<tr>
<td>ED 321</td>
<td>Educating Exceptional Students</td>
<td>3</td>
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<tr>
<td>ED 324</td>
<td>Young Adult Literature</td>
<td>3</td>
</tr>
<tr>
<td>ED 389</td>
<td>Educational Psychology</td>
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</tr>
<tr>
<td>ED 404</td>
<td>Methods in Reading and Language Arts 4-8 ***</td>
<td>3</td>
</tr>
<tr>
<td>ED 430</td>
<td>Educational Practicum III ***</td>
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<tr>
<td>ED 450</td>
<td>Student Teaching/Seminar in Teaching</td>
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Total Hours: 122-123

Suggested Course Sequence

First Year

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<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EH 123</td>
<td>3</td>
<td>ED 201</td>
<td>3</td>
</tr>
<tr>
<td>HE 111 ***</td>
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<td>EH 124</td>
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</tr>
<tr>
<td>HY 111</td>
<td>3</td>
<td>MS 132</td>
<td>3</td>
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<tr>
<td>MS 141</td>
<td>4</td>
<td>PH 110</td>
<td>3</td>
</tr>
<tr>
<td>PY 111</td>
<td>3</td>
<td>Foreign Culture and Conversation Elective</td>
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<tr>
<td>SC 104</td>
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Total: 17 / 15

Second Year

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<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EH 200</td>
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<td>ED 204</td>
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<tr>
<td>EH 275</td>
<td>3</td>
<td>EH 230</td>
<td>3</td>
</tr>
<tr>
<td>PY 322</td>
<td>3</td>
<td>EH 235</td>
<td>3</td>
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</table>

Total: 33
ED 201. Phil Foundations of Education. 3 Hours.
An integral component for all education majors, this course is designed to provide a basic understanding of the rewarding, yet challenging, teaching profession. Students broadly explore an overview of the educational field and its philosophical, political, legal, and social foundations. Current issues impacting education in a changing society will be examined. Coursework is intended to stimulate thoughtful reflection as students use information to develop their own beliefs concerning educational issues. Education Students will complete their first 30 hour clinical (ED 203) as part of this course. Students in other majors are not required to complete the Clinical Experience.

ED 202. Methods of Teaching Outdoor and Adventure Education. 3 Hours.
The course is designed to expose students to a variety of outdoor experiences with an emphasis on student participation in the activities. Students will also explore ways to incorporate outdoor in a variety of educational settings. Mastery of certain skills and the methodology employed in presenting these skills will be central to the course. Examples of the types of activities that may be covered through the course include canoeing, hiking, mountain biking, orienteering, camping skills, outdoor games, and an introduction to winter sports.

ED 203. Clinical Experience. 0 Hours.
All Education students are required to complete one 30 clock-hour block of a non-credit clinical observation experience in K-12 schools. This experience is completed as part of ED 201 Philosophical Foundations of Education and is designed to allow students to better understand the profession by observing experienced teachers in classroom settings. Through this experience, future educators will gain an appreciation of what happens “behind the scenes” in schools and other professional settings. Prerequisite(s): ED 201.

ED 204. Classroom Management. 3 Hours.
This course is designed to explore classroom management practices in educational settings. The course is taken concurrently with an education practicum so students will be able to observe and implement the techniques of practicing teachers in the areas of behavior modification, social skills training, and classroom management structures.

ED 208. Skills Activities. 3 Hours.
This course explores the application of learning and performance of motor skills in a variety of activities. Dance, racquet sports, aquatics and track/field will be participatory and allow students to gain experiential opportunities with instruction, drill progression, strategies, equipment and facility preparation and reflection. Instructor and peer feedback will enhance this class, and allow tactical decision-making competencies.

ED 213. Curriculum and Evaluation in Health and Physical Education. 3 Hours.
This course introduces Health and Physical Education majors to curriculum design and policy. Students will explore how to create, design, organize and evaluate a K-12 Health or Physical Education curriculum. Students will also learn how such a curriculum would be implemented and be expected to relate how a curriculum map ensures that all appropriate Maine Learning Results and grade level competencies are included. This course addresses multiple outcomes relating to the curriculum found in InTASC.

ED 215. Teaching Elementary Health Education. 3 Hours.
This course covers the foundation for healthy habits and active lifestyles which are introduced and reinforced during the K-8 experience. Topics that build both self-esteem and character, along with experiential health and physical activities will be examined. The American Association for Health Education and the Maine Learning Results will be used in conjunction with curriculum guides as students design lessons and units in health education.

ED 222. Personal Health & Fitness. 3 Hours.
This course is designed to introduce the health and physical education student to a core of competences to employ at the K-12 teaching levels. Several health topics will be covered including personal fitness, mental health, stress management, nutrition and diet, tobacco, and cardiovascular disease, as well as a variety of fitness and healthy experiences with an emphasis on actual participation in the activities.

ED 223. PE/Health Practicum I. 1 Hour.
The Practicum courses are one credit offerings designed to provide field experience for students enrolled in the three ED methods courses associated with their major. They are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement, most often within a school, secured by the clinical placement supervisor. This course is taken by physical education majors concurrently with ED 446. Prerequisite(s): ED 203.
ED 231. Curriculum, Instruction, and Assessment. 3 Hours.
This course is designed for students in the elementary/secondary education K – 12 programs. It is a general methods course for assessment, curriculum design, development and methods of instruction. This course focuses on the “what to teach”, “how to teach”, and “planning the context for teaching and learning” with the goal of providing an integrated approach in instruction. Such an integrated approach involves interventions (accommodations and modifications) in the design of instruction to teach all learners. This course ensures that pre-service teachers gain a broad knowledge in the methods of instruction as well as supporting diversity in the classroom. The course presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Prerequisite(s): ED 201.

ED 240. History and Philosophy of Physical Education. 3 Hours.
This course is an introduction to the philosophical and historical principles of health and physical education. It will include an historical overview of these education disciplines and cover current day principles. This course also offers an opportunity for critical examination of both theory and practice in the professions of health and physical education, wellness, sport and fitness.

ED 243. Team Sports/Tech & Strategies. 3 Hours.
Formal physical education, recreational and camp settings include games and strategies. It is the strategies component that enhances participation. Understanding game strategy promotes application of techniques and skills. Games research has also shown that the more strategy participants understand, the greater the chance of participation and satisfaction (Mitchell, S.). Thus tactical problem solving and teaching strategies will be the points of emphasis within a variety of invasion, net/wall, target, and striking/fielding games. Students will have the opportunity to learn skills, drills, techniques and strategies, and practice planning and teaching sport lessons during class.

ED 302. Adapted and Developmentally-Appropriate Physical Education. 3 Hours.
Adapted and developmentally appropriate physical education programs are the art and science of developing, implementing, and monitoring carefully designed instructional programs to meet the unique needs of individuals. Teaching approaches are both task-specific and developmental in nature and the course is designed to enable teachers to successfully address a range of specific needs in the physical education setting. This course is based on authentic and comprehensive assessments to give participants skills necessary for a lifetime of leisure, recreation, and sport experiences to enhance physical fitness, participation and wellness. Prerequisite(s): ED 201 and ED 213 and (ED 232 or ED 447).

ED 307. Technology in Education. 3 Hours.
This course surveys the history and structure of the field of instructional technology, with an emphasis on integrating as an educational tool. Students will experience creative skills and confidence necessary to use mainstream and emerging hardware and software available in most school settings. Prerequisite(s): ED 204 and ED 231.

ED 310. Educational Practicum I. 1 Hour.
ED 310 Education Practicum is the first classroom experience for university students considering the profession of teaching by spending time in an assigned classroom, students will shift their perspective from that of a student to that of a teacher. This experience is designed, in part, to provide students with the opportunity to interact with a mentor teacher and pupils in a classroom setting. The extent of involvement will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. This course is viewed as a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for participating students. Prerequisite(s): ED 203.

ED 314. Assessment Practices. 3 Hours.
 Presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Students learn to construct and use paper-and-pencil, alternative, and standardized assessments; analyze objectives; use grading systems; and judge assessment quality.

ED 316. Methods in Science. 3 Hours.
Science education is presented with a constructivist approach. Students become familiar with curricular content, methodology, and instructional planning that stimulates scientific interest and concept formation. Resources for science education will be collected for future. With a constructivist approach in mind, techniques for assessing student inquiry processes are explored. Students also learn ways to use instructional and design technology to enhance lessons. Prerequisite(s): ED 204 and ED 231.

This course offers a hands-on, practical approach that introduces students to a variety of strategies they can directly implement upon entering a position as a 7-12 teacher of science. Concentrating on practical application rather than theoretical implications, students will refine and add to their repertoire of teaching strategies. We will begin by learning how differentiating activities, based upon learning styles and ability, can enhance the learning of each student in a classroom. Students will be engaged in the direct completion of project-based learning in the form of laboratory experiences, lesson building, and cooperative tasks. Direct implementation of current science project-based pedagogy will be the emphasis. Students will apply their understanding of the new methods by creating a series of mini-lessons, typical lessons, and projects that are reflective of their understanding. Teaching science is not just about creating lesson plans and writing labs – it is also about engaging students, maintaining their interested in science and devise a number of ways to motivate them to complete their learning tasks and raise their aspirations. Many classes will begin with sample laboratory experiences and will then progress forward to introduce, explain, and model different methods for instruction, questioning, and assessment; all within the context of product-based inquiry. The course will seek to help pre-service teachers to develop an understanding and appreciation of science. This will hopefully make an impression upon students to acquire knowledge, attitudes, and skills essential to science literacy. Prerequisite(s): ED 231 and ED 204.

ED 318. Teaching Students With Special Needs. 3 Hours.
This course is designed to provide Career and Technical Education (CTE) teachers, educational technicians and teachers-in-training the necessary skills to develop learning environments where all special needs students can be successful. It is built upon the foundations of current legislation, appropriate curricula, assessment modifications and individualized instruction using successful teaching strategies to provide improved levels of success for students with special needs.
ED 319. Methods in Secondary English. 3 Hours.
In this course students learn how to teach reading and writing genres with secondary students. We explore strategies and processes in the English Language Arts while connecting it to literacy across the curriculum. We explore literacy and technology, accommodations and differentiated learning, assessment, selection of literature to serve purposes for reading and writing, issues in the secondary classroom, and models of instruction. We will inquire into certain questions, such as, What methods work best with adolescents? How does technology fit into the classroom? Why is reflection a big deal? How does the English teacher address reading and writing in the content areas? What does being an English teacher mean? You will be both a student in the course, participating in practices, and a teacher, designing and implementing learning sequences. The course objectives address the Common Core, InTASC, and ISTE NETs standards. Prerequisite(s): ED 204 and ED 231.

ED 320. Education Practicum II. 1 Hour.
Education Practica provide classroom experience for university students thinking of becoming teachers. By spending time in an assigned classroom students will shift their perspective from that of a student to that of a teacher. These experiences should be viewed as pre-student teaching opportunities and are designed, in part, to provide university students with the opportunity to interact with a mentor teacher and students in a classroom setting. The extent of involvement with the mentor teacher will depend on his or her needs, the organization of the classroom, and the stage of development of the practicum student. Practicum students have varied backgrounds and experiences. These strengths and experiences should be utilized to enrich the learning opportunities for the students in the classroom and the practicum student. This program is a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for university students seeking a career in teaching. Prerequisite(s): ED 203.

ED 321. Educating Exceptional Students. 3 Hours.
Prepares classroom teachers to successfully educate students with disabilities within the regular classroom setting. While the primary focus is to manage the instructional requirements of students with disabilities, the course incorporates the legal and ethical standards for mainstreaming and the roles of parent advocacy and support groups. Additionally, students become familiar with instructional issues represented by students from culturally, ethnically, and socio-economically diverse populations. Course content also explores the importance of enhancing educational opportunities of diverse learners via procedural due process, diagnostic practices, and development of professional and parent collaboration. Prerequisite(s): ED 201.

ED 322. PE/Health Practicum II. 1 Hour.
The Practicum courses are one credit courses designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 201 and ED 213 and ED 203.

ED 324. Young Adult Literature. 3 Hours.
This course, organized by trends in young adult literature, offers participants an opportunity to learn more about the young adult novel and other genres, how to select appropriate, high-quality books, how to incorporate it into a traditional classic-based classroom, and how to make the reading of young adult novels relevant to students' lives. Through reading, discussing, and writing about books in different genres, students explore issues and trends including appropriateness in the classroom, close reading strategies, issues of diverse audiences and subject matter, the young adult and the canon, and literary theory such as reader response. Participants select books of their interest, read class books, and make connections to readings from the professional literature. The course integrates the Common Core and InTASC standards for teachers. It will help teachers find practical ways to integrate quality young adult novels into their curriculum, integrating teaching of literature and content areas, and making literature more accessible for their students. Prerequisite(s): ED 201.

ED 325. Brain Gym. 3 Hours.
This course provides an introduction to educational kinesiology and an overview of Brain Gym movements. Students will also learn a multi-step implementation process for increasing concentration, participation and problem-solving in the classroom. The highly interactive course design encourages the integration of Brain Gym techniques throughout the learning process.

ED 328. Children’s Literature. 3 Hours.
This survey course provides an overview of children’s literature, its genres, authors, ideas for instruction and response, criteria of selection, children’s development, and the teacher as reader. Students will explore ways to bring children to diverse, contemporary children’s literature in the language arts and content areas while at the same time becoming more experienced, insightful, and informed readers of children’s literature. Prerequisite(s): ED 201.

ED 330. Substance Abuse and Prevention. 3 Hours.
Society faces abuse challenges as a result of domestic and global sources of addictive substances. This course offers an opportunity for critical examination of both theory and practice as students analyze available data on substances such as nicotine, caffeine, alcohol, over the counter drugs, prescriptive drugs and illegal drugs. Students also examine the role family, friends, education, the media and/or marketing may play in the decision-making process of individuals. Drug prevention programs and rehabilitative programs are reviewed with video input from professionals. Course content is drawn from videos, interviews, research, case analysis, projects and online discussion. These serve as reflective tools to build the student’s knowledge.

ED 332. Methods in Teaching Writing in the Schools. 3 Hours.
This course is based on the belief that teachers of writing at any grade level teach with greater understanding when they are active writers themselves and when their writing has a place and function in the world. Participants practice in instruction that draws on research on teaching writing, in assessment of writing, and in the teaching of the writing process approach, conducting conferences, modeling, and writing in the content areas with applications in the classroom. Adapting instruction to the development of writers is included. Participants focus on how they, as teachers, solve problems in writing so they support young writers develop their writing. Strategies of instruction are explored through focused lessons addressing Common Core standards and demonstrated during our sessions. Integration of practicum experience and application of course principles and strategies are expected. Prerequisite(s): ED 204 and ED 231.
ED 350. Teaching Elementary and Secondary Health Education. 3 Hours.
This course can help prepare elementary and secondary level health educators with information, classroom management techniques, instructional strategies and appropriate curriculum, as well as provide opportunities for teaching health lessons to peers with peer feedback. Prerequisite(s): ED 201 and ED 213.

ED 352. Emerging Trends in Career and Technical Education. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 380. Curriculum-based Instruction for the CTE Classroom and Shop. 3 Hours.
This course will focus on brain-based learning, strategies to develop student skills as readers, writers, and thinkers, Quadrant D lesson planning, gradual release of responsibility model, and questioning techniques.

ED 381. Introduction to Effective Classroom Management. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 382. Introduction to CTE Classroom Teaching. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 383. E-Portfolio for Teachers. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 389. Educational Psychology. 3 Hours.
The course examines the educational perspectives of K-12 students. Students in the course will incorporate the principles of educational psychology in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. Theories, principles, and issues investigated in this course are cognitive, linguistic, personal, social, emotional & moral development, and students with special needs. There will be an in-depth study of how students learn in the areas of cognitive learning process, construction of knowledge, behavior views of learning, social cognitive learning and motivation. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. This is a third year course. Students will demonstrate their understanding by identifying the principles of educational psychology during visits to their assigned schools. Prerequisite(s): PY 111.

ED 404. Methods in Reading and Language Arts 4-8. 3 Hours.
This course explores research-based reading and language arts practices in teaching students in grades four through eight. The course introduces assessment, curriculum, and instructional strategies that can be adapted for intermediate (GR 4-5) and middle school (GR 6-8) students. The course focuses on current methods to teach and assess reading and language arts include vocabulary, inquiry into essential questions, and content specific reading and writing. With the idea that assessment drives instruction, students practice approaches to teaching reading strategies, language experience, and literature-based explicit reading instruction with a focus on socio-cultural influences. Participants practice the assessment and instruction in an interactive environment where teacher is reader. Students develop professional awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 408. Methods in Reading and Language Arts, PK - 3. 3 Hours.
The course introduces students to current, research-based methods in teaching reading and language arts to children in preschool through grade three. Topics include emergent literacy development, balanced literacy, spelling, oral language, writing, speaking, and listening. With the idea that assessment drives instruction, students will practice using and analyzing data from a variety of assessment tools to plan and deliver instruction in reading and the language arts. Students will also explore how language arts are a result of cultural and social experiences. Students will connect methods and theory of reading and ELA with knowledge of genres in children's literature with a focus in selection of books and integration in instruction. This course is interactive and gives students the opportunity to practice the methods they learn. Students will develop the skills to guide children's experiences and learning, and develop professional perspective and awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 409. Methods in Mathematics. 3 Hours.
This course introduces mathematics concepts and problem solving strategies along with real-world applications. Methods emphasize an active learning process in which children engage in guided discovery and problem solving opportunities. Teachers learn to coach youngsters to reflect on their process to clarify ideas for themselves and to share their thoughts with others. Models of engaged learning scenarios will be developed and discussed. Prerequisite(s): ED 204 and ED 231.

ED 410. Assessment in Health and Physical Education. 3 Hours.
The focus of this course will be on measurement and assessment of achievement. Multiple practice opportunities will be provided in designing and implementing measurement/evaluation methods and tests recognizing that the ultimate purpose is to enhance the decision-making process so improvement can be made (Baumgartner, 2007). Both the classroom and lab will be utilized to implement health and physical education tests and evaluation. Students gain skills using assessments within physical education and health education content. Tools for assessing the levels of competency are utilized at each elementary and secondary grade level. Teacher preparation students will apply these assessment tools to current programs.

ED 411. CTE Assessment I. 3 Hours.
This course will provide an introduction to the use of formative, summative and diagnostic assessments. Specific topics will include the appropriate use and design of certification tests as well as reading and math assessments.
ED 415. Methods in Social Studies. 3 Hours.
Methods in teaching Social Studies provides students with an overview of the field of Social Studies, selected issues in the field, and best practice strategies for teaching social studies in the K-8 classroom. Students will identify important social studies knowledge, skills, and dispositions; investigate how students learn most effectively; and apply this new learning to lesson/unit design and instruction. Curriculum will be aligned to both national and state standards for both social studies and literacy. Prerequisite(s): ED 204 and ED 231.

ED 419. Mentoring Children and Youth. 3 Hours.
Through experience in this course, students will develop a mentoring relationship with either an elementary or middle school student. Mentoring can be an intense process where a positive, adult role model is matched with a youngster who needs assistance with academic efforts and social/behavior issues. This course will provide insight to many issues that surround a youngster’s life. Issues and topics on poverty and education, cross-cultural competencies, tutoring skills, goal setting and violence in schools and society will be addressed.

ED 420. Physical Activity Programming in Youth Development. 3 Hours.
This class will provide a philosophical and practical base for working in youth development programs. This class will discuss the history of youth development programming, the current trends in youth development and the role of physical activity as a tool to better serve youth. This class will focus on programs that serve youth through physical activity, with special emphasis on goals of personal and social responsibility.

ED 421. Evaluating Youth Development Programs. 3 Hours.
Students will become aware of various models for evaluating youth development programs, and become familiar with the rationale and various assumptions for evaluating youth development programs. Students will also understand the various data sources for evaluating youth development programs, and be knowledgeable of the various ways to analyze, interpret, and disseminate data collected in the evaluation process.

ED 422. Educational Studies. 6 Hours.
ED 422 is the capstone experience for education students seeking future employment in a setting other than a traditional classroom. The 90-hour internship is spread over a minimum of twelve weeks and allows students to gain practical experience working with staff, learners, and other members of an agency or organization in a community setting (e.g. municipal recreations departments, public libraries, children’s museums, social service agencies, etc.) During this field experience, students learn about the organization or agency, study the implementation and evaluation of its programming, and design a related project to contribute to the site. The connected on-campus class will provide an opportunity for students to share their experiences and provide peer feedback.

ED 423. PE/Health Practicum III. 1 Hour.
One credit practicum courses are designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 203.

ED 430. Educational Practicum III. 1 Hour.
Education practica provide classroom experiences for future teachers. These experiences are designed, in part, to provide students with the opportunity to interact with a mentor teacher (MT) and pupils in the classroom setting. The extent of involvement with an MT will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. Strengths and experiences gained from practica should enrich the learning in the classroom. Prerequisite(s): ED 203.

ED 440. Disease Prevention & Health Promotion. 3 Hours.
In this course, core competencies regarding disease prevention and health promotion will be obtained, practiced and employed. Students will build upon personal health and wellness skills, and incorporate diverse perspectives in designing and implementing a Health Promotion program.

ED 441. Community Health. 3 Hours.
Community Health encompasses the topics of public health issues, policies and community health services across the lifespan. Students also study global health issues, community health issues and the impact of environment, geographic location and socio-economic status on human health, as well as public policies and health services. In this course, students will research and present a community health education and picture project.

ED 444. Individual Sports & Lifetime Activities. 3 Hours.
This course is designed to provide an informational and experiential overview of pursuits that may be classified as individual sports and lifetime activities. Attention will be paid to what place these activities may have in schools, recreational programs and other programs associated with youth development and learning. The role of lifetime fitness and health will be discussed and explored.

ED 445. Comprehensive School Health. 3 Hours.
This course will focus on the need for comprehensive school health education for students and society. Students will examine the role of the health educator as coordinator of the school health program. National Health Standards will guide the curricula as students learn about policies, procedures and activities designed to promote K-12 healthy living.

ED 446. Elementary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques during the concurrent practicum. ED 323 PE/Health Practicum II. Prerequisite(s): ED 201 and ED 213.

ED 447. Secondary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques by conducting lessons during the attached practicum experience. Prerequisite(s): ED 201 and ED 213.
ED 450. Student Teaching/Seminar in Teaching. 15 Hours.
ED 450 is the culminating experience of the Husson Teacher Education Program and occurs after all other coursework and requirements have been completed. It has two required concurrent sections: a sixteen-week student teaching field placement and a weekly capstone seminar in teaching. This dual approach is designed to integrate pedagogy and professional practice to ensure that clear connections are made by student teachers as they strive to become effective educators. The InTASC Model Core Teaching Standards and the National Educational Technology Standards for Teachers NETS-T provide the framework for both the student teaching section and the seminar. ED 450 is viewed as a collaborative undertaking among students, instructors, and supervising teachers.

ED 499. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer advanced courses in education that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

ED 600. Research Methods in Business and Education. 3 Hours.
This course is designed for graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

ED 601. Theoretical Foundations of Learning. 3 Hours.
This is an advanced study of the application of the principles of educational theory and psychology in teaching students PK–12. Theories, principles, and issues investigated in this course include cognitive, linguistic, personal, social, emotional and moral development, the role of educational theory in practice, and students with special needs. Students in the course will incorporate the principles of educational psychology and an array of theoretical frameworks in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. The course includes an in-depth study in the areas of cognitive process, construction of knowledge, behaviorists’ views of learning, social cognition, and motivation. Students will conduct analyses of learning theories in light of this knowledge. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. Emphasis will be on the development of successful academic and social interventions using an inquiry-based approach. Students will demonstrate their understanding by identifying the principles of educational psychology and learning theory in their school setting.

ED 603. Advanced Curriculum and Instruction. 3 Hours.
This graduate level core course is designed to enhance student understanding of curriculum content, design, policy, and instructional strategies through the application of curriculum theory, assessment and technology. Students acquire skills in planning the context for learning utilizing authentic experiences for diverse populations and the promotion of successful academic and social interventions using an inquiry-based approach. Identification and implementation of research-based instructional strategies are examined. Curricula are analyzed using an integrated approach to instruction that promotes grade level competency. Students demonstrate curricula mapping in accordance with Maine standards.

ED 701. Introduction to School Guidance Counseling. 3 Hours.
This course will survey the philosophy, objectives, principles and program of comprehensive developmental school guidance programs at the K-12 level. The course will focus on National and State Models of School Counseling.

ED 702. Advanced Assessment Practices. 3 Hours.
In this advanced assessment course, students will develop an understanding of current trends, issues, and practices in assessment and apply their understanding to classroom, school, and district practices. This core course in the Master of Education program is conducted in seminar format. Students prepare for course meetings and participate in whole group discussions online and in person related to the readings, current practice, experience in assessment, and knowledge of trends and issues, making connections between the theory and classroom, and school-wide practices. Students will create and reflect upon online discussions to analyze the strengths and purposes of assessment instruments, analyze data, evaluate recommendations and interventions based on assessment findings and synthesize the information in communication appropriate to different stakeholders, colleagues, administrators, and families. Students will present practices, findings of research, analyses of assessments in multi-media presentations and develop an e-portfolio documenting the processes of the course, the self-evaluation, and the learning in the course.

ED 705. The Changing Role of the School Counselor. 3 Hours.
This course will review the historical and philosophical bases for school counseling programs, explore traditional roles for the school counselor, and examine the ethical and legal responsibilities of school guidance counselors. Focus will be given to recent applications of contemporary theories in educational settings as well as the role of the counselor in assisting all students in academic, career, and personal/social domains.

ED 706. STEM in the Classroom. 3 Hours.
This course provides the foundations of science, technology, engineering, and math (STEM) education disciplines based upon the Next Generation Science Standards (NGSS) and the Math and ELA Common Core Standards. The approach used will be a multi-disciplinary experiential learning method that will engage participants in scientific and mathematical practices that can be directly applied in the classroom to help learners make connections across curricula. Core topics include STEM pedagogy, the nature of STEM education disciplines, integrative STEM learning, and deepening knowledge within the STEM disciplines. Course objectives are grounded in the the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 707. Literacy Across the Curriculum. 3 Hours.
This advanced course explores how literacy, broadly defined as reading, writing, talking, viewing, representing, and listening, can be a tool for thinking and learning in the content areas for all PK-12 students in different school environments of a diverse and globalized society. The course provides opportunity for participants to discuss and practice inquiry-based approaches that support learning and literacy development in the content areas, while integrating technology and instruction and connecting reading and writing. The course includes the genres and texts that teachers might use in the teaching of reading for different purposes. Professional and research literature are included. The workshop/ seminar format of the course is interactive and includes lectures and demonstrations as students become more knowledgeable with respect to ethical decision-making, social responsibility, and reflective practice. Class participants will serve as resources, collaborators and teachers through in-class discussions, group work, and projects.
ED 708. Advanced Classroom Management. 3 Hours.
This course is designed to assist the classroom teacher in creating a climate that is safe and conducive to learning for all students in the inclusive classroom setting. Students will expand and apply their knowledge of theory and practical strategies for classroom management and student engagement. Through inquiry based study, learners will gain increased knowledge of effective strategies to implement when dealing with challenging student behaviors. Students will gain advanced skills with which to manage the inclusive classroom and be able to more effectively engage students and parents.

ED 799. Topic/. 1 Hour.
Selected topics are offered centering on the needs and interests of the students and the availability of expert faculty.

ED 809. Integrating Technology into Instruction. 3 Hours.
This course introduces students to a variety of technologies and computer applications that can enhance teaching, assessment, and the learning process. Class sessions and projects involve critically examining the theory and practice of using technologies to augment learning. Course objectives are grounded in the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 810. Contemporary Issues in Educational Leadership. 3 Hours.
This course provides an overview of formal and informal models of teacher leadership as well as the opportunity for in-depth analyses of relevant topics from the current and past centuries. Students explore emerging trends that address leadership opportunities for teachers and issues related to group dynamics, motivation, communication, ethics, and human relations. Course topics also include educator evaluation, the nationalization of standards and assessment, standards-based education, globalization, diversity, and technology. Skills and strategies for effective leadership are developed, especially those related to organizational change, ethical decision-making, and team building.

ED 868. M.Ed. Capstone. 3 Hours.
Students will complete a supervised experience, thesis, or special project in their area of interest that has been pre-approved by the department. Prerequisite(s): ED 601 and ED 603 and ED 702 and ED 706 and ED 707 and ED 708 and ED 809 and ED 810 and CO 704 and BA 600.

B.S. in Secondary Education Life Sciences Concentration (7-12)

General Education Courses

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<tr>
<th>Course</th>
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<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
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<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
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<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
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<td>HE 111</td>
<td>The Husson Experience</td>
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<td>HY 111</td>
<td>United States History I</td>
<td>3</td>
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<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
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<tr>
<td>HY 103</td>
<td>Modern World Civilizations</td>
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<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
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<tr>
<td>PH 110</td>
<td>Introduction to Ethics</td>
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<td>PY 111</td>
<td>General Psychology</td>
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<td>PY 141</td>
<td>Human Growth and Development</td>
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<tr>
<td>SC 191</td>
<td>General Biology I</td>
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Fine Arts Elective 3
Foreign Culture and Conversation Elective 3

Open Elective 3
Co-curricular/Community Service 3

Professional Education Courses

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<td>&amp; ED 203</td>
<td>and Clinical Experience</td>
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<td>ED 204</td>
<td>Classroom Management</td>
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<td>&amp; ED 310</td>
<td>and Educational Practicum I</td>
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<tr>
<td>ED 231</td>
<td>Curriculum, Instruction, and Assessment</td>
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<tr>
<td>ED 307</td>
<td>Technology in Education</td>
<td>3</td>
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<tr>
<td>ED 317</td>
<td>Methods in Secondary Science</td>
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<tr>
<td>&amp; ED 430</td>
<td>and Educational Practicum III</td>
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<tr>
<td>ED 321</td>
<td>Educating Exceptional Students</td>
<td>3</td>
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<tr>
<td>ED 332</td>
<td>Methods in Teaching Writing in the Schools</td>
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<tr>
<td>&amp; ED 320</td>
<td>and Education Practicum II</td>
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<tr>
<td>ED 389</td>
<td>Educational Psychology</td>
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<td>ED 450</td>
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Concentrations

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<td>SC 120</td>
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<td>SC 151</td>
<td>Conceptual Physics</td>
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<td>SC 180</td>
<td>Principles of Gen Chemistry</td>
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<td>&amp; SL 180</td>
<td>and Prin of Gen Chemistry Lab I</td>
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<tr>
<td>SC 192</td>
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<td>and Microbiology Lab</td>
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Other Required Courses

Choose two of the following: 6-7

SC 141 | Environmental Science
SC 142 | Conservation and Resource Management
SC 210 | Marine Biology
& SL 210 | and Marine Biology Laboratory
SC 234 | Nutrition
SC 291 | Cell Biology
SC 292 | Epidemiology
SC 334 | Genomic Biology

Total Hours 122-123

Suggested Course Sequence

First Year

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B.S. in Secondary Education Life Sciences Concentration (7-12)

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<td>SC 240 &amp; SL 240</td>
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<td>Fine Arts Elective</td>
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**Total Hours:** 122-123

*** Credit may not be required for degree completion.

**Courses**

**SL 120. Functional Anatomy and Physiology Lab. 1 Hour.**
Functional Anatomy and Physiology Lab is a 1 credit lab that students take at the same time as taking the lecture part of the course, SC 120. It is laboratory designed to give the non-science major knowledge of the human body and its relationship with the environment. Topics covered parallel the lecture topics in SC 120 and include: the chemical basis of life, the anatomy & physiology of all organ systems, growth, development, heredity and biotechnology issues.

**SL 180. Prin of Gen Chemistry Lab I. 1 Hour.**
This is a laboratory class.

**SL 181. Chemistry Lab I. 1 Hour.**
This is a laboratory class.

**SL 182. Chemistry Lab II. 1 Hour.**
This is a laboratory class.

**SL 191. General Biology Lab I. 1 Hour.**
This laboratory course is to be taken concurrently with SC 191. It is designed to reinforce the fundamental biology concepts discussed in lecture as well as introduce students to laboratory procedures and the basics of the scientific method.

**SL 192. General Biology Lab II. 1 Hour.**
This laboratory course is to be taken concurrently with SC 192. This course is designed to provide hands-on experience with plant and animal diversity, comparative anatomy and physiology, as well as the collection and analysis of lab and field data.

**SL 210. Marine Biology Laboratory. 1 Hour.**
Marine Biology Laboratory must be taken concurrently with Marine Biology. Laboratory activities focus on the organisms and ecosystems in the Gulf of Maine and include field trips to local marine habitats as well as laboratory investigations of local flora and fauna. Prerequisite(s): SC 191 or SC 192.

**SL 221. Anat/Physiology Lab I. 1 Hour.**
This is a laboratory class.

**SL 222. Anatomy/Physiology Lab II. 1 Hour.**
This is a laboratory course. Prerequisite(s): SL 221.

**SL 240. Ecology Lab. 1 Hour.**
This lab focuses on ecological research principles and is designed to complement and reinforce the topics discussed in SC 240. The labs will include reading primary literature, case-studies, identification of local flora and fauna, and field and laboratory data collection and analysis.

**SL 241. Microbiology Lab. 1 Hour.**
This is a laboratory class.

**SL 242. Biotechnology Lab. 1 Hour.**
This is a laboratory class.

**SL 271. Physics Lab I. 1 Hour.**
This is a laboratory class.

**SL 272. Physics Lab II. 1 Hour.**
This is a laboratory class.

**SL 285. University Physics I (Laboratory). 1 Hour.**
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.

**SL 286. University Physics II Lab. 1 Hour.**
This course continues the development of the basic physical concepts begun in SC285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 181 and (SC 285 or SC 271).
SL 299. Topic/. 0-3 Hours.
This course is intended to provide the opportunity to offer introductory courses in laboratory science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL 381. Organic Chemistry I Lab. 1 Hour.
This is a laboratory class. Prerequisite(s): SL 182.

SL 382. Organic Chemistry II Lab. 1 Hour.
This is a laboratory class. Prerequisite(s): SL 381.

SL 393. Physical Chemistry Lab. 2 Hours.
This course is a hands-on laboratory component of the SC 393, covering topics in kinetics, thermodynamics, transport, and spectroscopy. The laboratory exercises apply physical methods to studies of complex physicochemical phenomena. Computer simulations of molecular properties complement the measurements. Three hours of laboratory per week. Prerequisite(s): SL 182 and SL 272.

SL 394. Analytical Chemistry Lab. 2 Hours.
This course is a hands-on introduction to the fundamental techniques of analytical chemistry. It covers sample treatment and volumetric, gravimetric, electrochemical, chromatographic, and spectroscopic analytical methods. Three hours of laboratory per week are designed to supplement and reinforce the knowledge gained in the SC 394. Prerequisite(s): SL 182.

SL 399. Topic/. 0 Hours.
This course is intended to provide the opportunity to offer 300-level courses in laboratory sciences that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL 499. Topic/. 0-3 Hours.
This course is intended to provide the opportunity to offer advanced courses in laboratory science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

B.S. in Secondary Education Physical Science Concentration (7-12)

General Education Courses
- EH 123: Rhetoric and Composition I (3)
- EH 124: Rhetoric and Composition II (3)
- EH 200: Approaches to Literature (3)
- HE 111: The Husson Experience *** (1)
- MS 132: Probability and Statistics (3)
- MS 181: Calculus with Applications (4)
- PH 110: Introduction to Ethics (3)
- or PH 220: Environmental Ethics (3)
- PY 111: General Psychology (3)
- PY 141: Human Growth and Development (3)
- SC 141: Environmental Science (3)
- Global Elective (3)
- Fine Arts Elective (3)
- Foreign Culture and Conversation Elective (3)
- Open Elective (3)

Education Courses
- ED 201: Phil Foundations of Education (Clinical Placement) (3)
- ED 204: Classroom Management and Educational Practicum I (4)
- ED 231: Curriculum, Instruction, and Assessment (3)
- ED 307: Technology in Education (3)
- ED 317: Methods in Secondary Science and Educational Practicum III (4)
- ED 321: Educating Exceptional Students (3)
- ED 332: Methods in Teaching Writing in the Schools and Education Practicum II (4)
- ED 389: Educational Psychology (3)
- ED 450: Student Teaching/Seminar in Teaching (15)
- PY 322: Diversity & Multiculturalism (3)

Concentrations
- SC 150: Astronomy of the Solar System (3)
- SC 181: Chemistry I (4)
- & SL 181: and Chemistry Lab I (4)
- SC 182: Chemistry II (4)
- & SL 182: and Chemistry Lab II (4)
- SC 271: Physics I (4)
- & SL 271: and Physics Lab I (4)
- SC 272: Physics II (4)
- & SL 272: and Physics Lab II (4)
- SC 191: General Biology I (4)
- & SL 191: and General Biology Lab I (4)
- SC 381: Organic Chemistry I (4)
- & SL 381: and Organic Chemistry I Lab (4)
- SC 373: Inorganic Chemistry (3)
- SC 134: Introduction to Geology (3)
- Choose one of the following (3-4)
- SC 135: Introduction to Meteorology (3)
- SC 283: Soil, Air, and Water Chemistry (3)
- SC 367: Mathematics and Physics of Sustainable Energy (3)
- SC 394: Analytical Chemistry (3)
- & SL 394: and Analytical Chemistry Lab (3)

Total Hours: 122-123

Suggested Course Sequence

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## Second Year

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**Third Year**

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**Fourth Year**

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Total Hours: 122-123

*** Credit may not be required for degree completion.

## Courses

**SC 104. Organismal Biology. 3 Hours.**
Organismal Biology is an introductory biology course with an integrated lab, intended primarily for non-science majors. This course enables the student to become aware of their role in the complex biological system in which they live. Students will learn about plant biology, animal biology and microbiology in the context of how these organisms have shaped our current state of biodiversity. Since all organisms grow, develop and subsist within an environment, topics will include how organisms survive in, and interact with other organisms within their ecological community.

**SC 105. Headline Science. 3 Hours.**
This course explores various contemporary issues in science using an integrative and societal approach. Students will study the topics from a biological, chemical, physical, and environmental perspective, and relate the significance of the scientific matter to their major field of study. This course is intended for non-science majors.

**SC 120. Functional Anatomy and Physiology. 3 Hours.**
Functional Anatomy and Physiology is a one semester, 3 credit lecture with a separate laboratory course designed to give the non-science major knowledge of the human body and its relationship with the environment. Topics covered include: the chemical basis of life, the anatomy & physiology of all organ systems, growth, development, heredity and biotechnology issues.

**SC 131. Human Genetics. 3 Hours.**
This course is designed for nonscience majors to support the natural interest of most people in those human physical, behavioral, and social characteristics that have a hereditary basis. Lectures, discussions and the solving of simple genetic and statistical problems are used to form a basis for the consideration of current social issues with genetic implications.

**SC 134. Introduction to Geology. 3 Hours.**
The course, specifically designed for the Environmental Science majors, introduces fundamentals of geology in the environmental context. The issues of local and global environmental changes are placed into a broader perspective of the functioning of the Earth system. Students are introduced into the science of Earth materials: rocks, minerals, soils, and waters and the processes forming them. The internal processes (plate tectonics, earthquakes, volcanoes) and surface processes (streams, flooding, coastal zones, mass movements, glaciers, winds, desertification) are presented from the point of view of their influence on the geologic hazards, and on the distribution of natural resources. The interrelation of geology and human activities is examined in such contexts as waste disposal, air pollution, water contamination, climate change, land degradation, and resource and energy consumption. The format of this course includes one local field trip, lab activities on rocks and minerals identification, and introduction to topographic and geologic maps.

**SC 135. Introduction to Meteorology. 3 Hours.**
This course provides the student with a basic understanding of weather phenomenon and how weather is predicted. Students will master the terminology of weather prediction; explore the water cycle, and how the sun affects weather. The course will also treat atmospheric circulation, cloud formation and identification and students will learn how to make weather assumptions based on observations of temperature, pressure, humidity, wind direction, and sky cover. Students will also learn how weather data is collected and how forecasters make predictions based on previous and current weather observations.
SC 141. Environmental Science. 3 Hours.
This course is a survey of the important topics in environmental science. Concepts of energy flow and nutrient cycling are explored in the context of human impacts upon these processes. Sources of pollution and their total effect on ecosystem and biosphere function are also explored. Management of material wastes and energy efficiency is an integral theme of the class. This class satisfies the laboratory science requirement with a series on in-class lab experiences and field trips.

SC 142. Conservation and Resource Management. 3 Hours.
This course emphasizes the basic principles of conservation that are applied to utilization and management of natural resources such as soil, water, range lands, forests, wildlife, minerals, and human populations. The study of the interrelationships between living organisms and their environment is known as ecology. This course applies ecological concepts to conservation problems and policies. Prerequisite(s): SC 141.

SC 145. Environmental Science Field Experience I. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 146. Environmental Science Field Experience II. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 147. Environmental Science Field Experience III. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 150. Astronomy of the Solar System. 3 Hours.
This is an introductory astronomy course with a virtual observing component that is intended to give the students some basic knowledge about the world in which we live. The primary objective of this class is to help the students understand the solar system. The course will present an overview of the night sky, the constellations, light - telescope and the nature of stars and the galaxies but the emphasis will be on understanding our solar system. The Sun, Earth, Moon, planets and their satellites, asteroids and comets will be studied in some detail. No mathematics or physics background is assumed in this course.

SC 151. Conceptual Physics. 3 Hours.
Conceptual Physics is an introductory physics course with an integrated lab, intended primarily for non-science majors. In this course we will study motion, mechanics, gravity, heat, electricity, magnetism, optics, atomic, nuclear and molecular physics, and relativity. We will also learn about the process by which physicists attempt to understand the intriguing laws of nature. The course will be taught using a combination of lectures, classroom demonstrations and laboratory experiments. Understanding of the fundamental concepts rather than number crunching is emphasized in this course and the equations will serve to refine the concepts and facilitate student's thinking process. Ultimately, it is hoped that by taking this course the student will develop a better appreciation for the natural world.

SC 157. Energy and Society. 3 Hours.
This course examines the basic physical principles underlying various energy technologies and develops the quantitative skills necessary to evaluate these technologies. Students present their work in both written and oral form. The end goal of this course is to help students become citizens that have the requisite background and communication skills to intelligently participate in energy policy discussions and decisions. Topics typically include basic scientific literacy and notation, introductory physics (such as force, work, energy, power), circuit analysis, thermodynamics, various energy technologies (fossil fuels, nuclear power, solar, hydroelectric, etc.), and placing these technologies in a broader environmental, social, and economic context. This course includes an integrated laboratory in order to introduce basic laboratory skills. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.
SC 180. Principles of Gen Chemistry. 3 Hours.
This course explores fundamental quantitative and qualitative principles of inorganic, organic and biological chemistry and provides a basic understanding of theoretical and applied aspects of general chemistry. Topics in inorganic chemistry include measurement, atomic theory and chemical bonding, chemical reactions and mass relationships, kinetic theory and gas laws, acids, bases, pH and buffers. Organic chemistry will provide an overview of the nomenclature, properties and reactivity of major groups of organic compounds, while biochemistry will focus on the chemistry of carbohydrates, lipids, proteins, and enzymes. An overview of biochemical energetics, nucleic acids and protein synthesis is also included.

SC 181. Chemistry I. 3 Hours.
This introduction to chemistry provides a basic understanding of theoretical and practical aspects of inorganic chemistry. The course includes the metric system, chemical elements and symbols, the structure of the atom, chemical bonds, molecules and compounds, and chemical reactions.

SC 182. Chemistry II. 3 Hours.
This course is a continuation of Chemistry I. It focuses on organic chemistry and biochemistry and provides a background for understanding the chemical mechanisms of health and disease. Organic chemistry will emphasize the study of carbon, its special properties, and its compounds. Biochemistry will focus on the chemicals of living organisms, carbohydrates, lipids, proteins, and nucleic acids. Selected physiological topics such as energy metabolism, the genetic code, and protein synthesis are included. Prerequisite(s): SC 181.

SC 191. General Biology I. 3 Hours.
General Biology I focuses on biological principles that are fundamental to all of biology. This course covers the diversity of life and the commonalities of all living things including: molecular structure, cell structure and function, metabolism, cell division, heredity, and genetics. This course will also review the scientific process and the evaluation of scientific information. This course will prepare students for future courses in anatomy and physiology, cell biology, microbiology, biochemistry, genomic biology, and other biological specialties. This course is limited to students in programs requiring this course or are intending to take further biology courses.

SC 192. General Biology II. 3 Hours.
General Biology II is the continuation of a two-semester series in general biology for science majors. This course is designed to provide a thorough introduction to biology and prepare students for further study of evolution and ecology in SC 240. The goal of the course is to emphasize the diversity of species and for students to understand their relationship to, and their place in, the natural world. General Biology II is an introduction to the systems, anatomy and physiology of the plant and animal kingdoms. This course will examine the structure and function of plant and animal organ systems in the framework of the evolution of adaptations. The course also concludes with an introduction to ecological systems.

SC 199. Topics. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 202. Science Immersion. 3 Hours.
This course emphasizes conservation by providing students an experiential setting that illuminates various aspects of the precarious balance between people's effect on the environment and the natural order of things. Educational goals focus on the conservation and restoration of our natural heritage so that biodiversity is not depleted.

SC 210. Marine Biology. 3 Hours.
Oceans cover more than 70% of the earth's surface and support all life on the planet. This course follows an ecological approach to consider the adaptations and interactions of plants and animals with their marine habitats, with particular emphasis on the ecosystems and organisms in the Gulf of Maine. Communities discussed include the open ocean, the deep-sea, subtidal and intertidal zones, and estuaries, as well as habitats found exclusively in tropical and polar regions. Prerequisite(s): SC 191 or SC 192.

SC 221. Anatomy and Physiology I. 3 Hours.
This course provides an in-depth understanding of the structures and functions of the human body and its parts. The course begins with the organization of the human body and descriptive terminology relating to various segments of the body. Cellular anatomy and physiology and study of tissues lead to the study of the organ systems. Topics included in the course are skin, the skeletal system, joints, the nervous system, and muscle.

SC 222. Anatomy and Physiology II. 3 Hours.
This course is a continuation of Anatomy and Physiology I. The course will provide a thorough understanding of structure-function relationships down to the molecular level. The semester will cover the special senses, blood, the cardiovascular system, lymphatics, the respiratory system, the digestive system, the urinary system, the endocrine system, and reproduction. Prerequisite(s): SC 221.

SC 224. Research Design. 3 Hours.
This course introduces basic concepts and skills needed for understanding and conducting research in the social, educational and health sciences. Students will receive a basic introduction to the fundamentals of research—what it involves, what types exist, and how to design and conduct such research. Examined are the essential terms and concepts of research necessary for students to critically evaluate research literature, develop solid research questions, and plan simple research projects. Active engagement with the research process will occur through class participation, exercises, literature reviews, development of research questions, and creation of inquiry strategies for answering research questions. Prerequisite(s): MS 132.

SC 234. Nutrition. 3 Hours.
This course examines the basic nutritional principles (biological, chemical and regulatory mechanisms); the changing nutritional requirements throughout the life cycle; the relationship between nutrition and disease; the principles of therapeutic nutrition (diet therapy) and the assessment of nutritional status. Prerequisite(s): SC 180 or SC 181.

SC 240. Ecology. 3 Hours.
This course explores the interaction of biotic and abiotic components in functioning ecosystems. It will examine topics in population distribution and dynamics, major terrestrial and aquatic habitats, community interactions such as competition and predation, nutrient cycling, energy flow, and ecosystem succession. The concurrently run lab will train students in identifying local flora and fauna, as well as collection and analysis of field data. Prerequisite(s): SC 191 and SC 192.
SC 241. Microbiology. 3 Hours.
This course provides a broad understanding of both beneficial and harmful microorganisms and their roles in human welfare. Emphasis is placed on the structure, physiology, and control of human pathogens, particularly bacteria and viruses. The lab provides experience in important techniques of culturing, identifying, and controlling microorganisms. Prerequisite(s): SC 104 and (SC 191 or SC 221).

SC 242. Biotechnology. 3 Hours.
The current explosion in wonder drugs, diagnostic tests and medical treatments has resulted, primarily, from advances in biotechnology. This course will explore the origins and current status of biotechnology and how it is applied in the world or research, product development, medical diagnosis, disease treatment and law enforcement. This course will primarily focus on those areas of biotechnology that pertain to molecular biology and biochemistry. The laboratory portion of this course will expose students to many of the techniques used in molecular biology/biotechnology laboratories around the world. Prerequisite(s): SC 102 and SC 103.

SC 251. Astronomy. 3 Hours.
This is an introductory course that will describe, develop and create physical models for many of the observable astronomical events in the sky. The topics may include motion in the night sky, the solar system, light, stars, star groups, the origin of the universe, life in the universe, and UFO’s.

SC 261. Integrated Physical Science I. 3 Hours.
Integrated Physical Science I is the first course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning career in elementary education. Using physical environment as a theme, principles of chemistry, physics, geology, atmospheric science, and space science are introduced, and reinforced through inquiry-based lab activities and field trips. This first course of the sequence, covers fundamental concepts of chemistry and physics, which include: motion, waves and particles, energy, structure and properties of inorganic and organic matter and their mixtures, interactions of energy and matter, order and equilibrium of physical systems. Prerequisite(s): EH 123 and (MS 111 or MS 141 or MS 180 or MS 181).

SC 262. Integrated Physical Science II. 3 Hours.
Integrated Physical Science II is the second course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning careers in elementary education. Using environment as a theme, principles of physical sciences are introduced and reinforced through inquiry-based lab activities and field trips. The course covers fundamental concepts of geology, atmospheric science, and space science. Prerequisite(s): SC 261.

SC 271. Physics I. 3 Hours.
Physics I is the first course in a two semester general physics sequence. The goal of this course is to introduce the student to the concepts of force and motion, work and energy, fluids and gases, heat and thermodynamics, and periodic motion. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 180 or MS 181.

SC 272. Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 271. Topics include electricity and magnetism, optics, atomic theory, relativity. Quantum mechanics, nuclear physics, and elementary particles. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. Prerequisite(s): SC 271.

SC 283. Soil, Air, and Water Chemistry. 3 Hours.
An understanding of the fundamental chemistry implicit in the environment is important, but students must also be familiar with aspects of mineralogy, oceanography, soil science, sedimentology and microbiology. The course emphasizes natural geochemical processes and how they operate over a variety of scales. Topics range from global issues such as atmospheric pollution and its effect on global warming and ozone destruction to the link between microbiological populations and local and global scale nutrient and chemical cycling. The course is designed to introduce the student to that major systems and cycles in the environment and how materials and energy are cycled in these systems. Prerequisite(s): SC 181 and SC 182 and SL 181 and SL 182.

SC 285. University Physics I. 3 Hours.
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.

SC 286. University Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 181 and SC 285.

SC 291. Cell Biology. 3 Hours.
This course is a detailed exploration of cell structure and function with an emphasis on the cytoplasm and extracellular matrix. Topics in membrane structure, transmembrane transport, vesicle trafficking, cytoskeletal organization, and macromolecular assembly processes are considered. Cell to cell communications and the role of the extracellular matrix in tissue level processes are also explored. Superficial examination is given to the structure and organization of the nucleus, chromosomes and gene expression to prepare students for the companion course entitled Genomic Biology. Prerequisite(s): SC 191.

SC 292. Epidemiology. 3 Hours.
Basic concepts of epidemiology and methods for identification of factors influencing health and disease in human populations. Considerations are centered on physical, biological, psychosocial and cultural factors in relation to infectious and noninfectious diseases; interactions between agent, host, and environmental factors as determinants of health and disease; application of the epidemiologic approach to health services; and retrospective and prospective analysis of morbidity data. Instruction is by lecture, laboratory exercises and seminars.

SC 299. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 312. Adult, Infant, and Child CPR First Aid. 3 Hours.
This is a standard American Heart and American Red Cross course in adult, infant and child emergency care of injuries and CPR. Standard certificate awarded on successful completion of course.
SC 330. Exercise Physiology. 3 Hours.
This course examines changes within the human body due to the effects of acute and chronic exercise. The student is challenged to expand both their knowledge of and appreciation of human physiological reaction, regulation, and adaptation to exercise. Prerequisite(s): SC 111 or SC 120 or SC 222.

SC 332. Physiological Ecology of Animals and Plants. 3 Hours.
This course explores the structural and functional relationships within plants and animals that make them adapted to their environment. This course uses numerous examples to illustrate how plants and animals survive given the constraints of their environment. Examples will be taken from temperate, arctic, alpine, tropical, desert, and aquatic ecosystems. Prerequisite(s): SC 191 and SC 192.

SC 333. Pathophysiology. 3 Hours.
Pathophysiology is the study of abnormal, diseased physiological processes. The course begins with an examination of altered cell functioning, injury and death. The course continues with pathophysiology of the body systems and inability of diseased systems to maintain homeostasis. Also included are topics in inflammation, immunity, neoplasia, and adaptations of the body to stress. Although aging is not considered a disease, some aspects of aging will be discussed. Prerequisite(s): SC 221 and SC 222.

SC 334. Genomic Biology. 3 Hours.
This class will explore the structure of the nucleus, patterns of inheritance (traditional genetics), the molecular mechanisms of biological information management (molecular biology), and the technologies that are used to obtain and use the information contained within genomes (genomic science). The course will trace classical genetics, chromosome maps, the structure of DNA, gene expression and regulation, and the tools of molecular biology and genomic analysis. Prerequisite(s): SC 102 and (SC 180 or SC 181).

SC 351. Oceanography. 3 Hours.
This course examines the physical and biological characteristics of the marine environment. Topics include the origin of earth and its oceans, life in the oceans, the history of oceanography, plate tectonics, the nature of water, ocean circulation, waves, tides, shorelines, and coastal regions. A large portion of the course examines the interrelationships between organisms and the marine environment, mariculture marine pollution, and pollution control.

SC 352. Biochemistry. 3 Hours.
In this offering, the student will be exposed to reductionism in the field of biology. Biochemistry overlaps and articulates with many fields of endeavor. The discipline embraces physiology, pharmacology, enzymatics, nutrition, immunology, structural biology, biotechnology, and molecular biology all at the same time. The course curriculum will focus upon the role of enzymes in guiding metabolic processes and pathways. The student will come to understand the details of biological functioning at these three levels of organization: Metabolism, metabolic pathways, enzymatic mechanisms and kinetics. Prerequisite(s): SC 102 and SC 182.

SC 360. Biomechanics & Kinesiology in Human Performance. 3 Hours.
This course examines the application of anatomical and physiological principles of kinesiology and physical movement. Topics include the scientific study of human movement, analysis of motor skills, and programs of exercise and evaluation of human performance. Prerequisite(s): SC 222 or SC 120.

SC 362. Dynamics of the Earth. 3 Hours.
This course presents the basic concepts of earth science that include a broad and nonquantitative survey at the introductory level of topics in geology, oceanography, meteorology and astronomy. In geology, the topics emphasized are plate tectonics, volcanic activity, mountain building, minerals and rocks, earthquakes, geologic time and earth history. In meteorology, the specific areas include weather elements, weather patterns and storms. The astronomy unit reviews constellations, the moon, the solar system and beyond. Laboratory activities are included to demonstrate concepts. Within each unit human use and manipulation of physical resources is examined from both a scientific and economic perspective.

SC 367. Mathematics and Physics of Sustainable Energy. 3 Hours.
In this course you will examine the basic physical principles behind the generation and consumption of electrical energy. Mathematical skills necessary to quantitatively compare different sustainable energy technologies and associated issues are developed. This course assumes no prior background in physics. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 371. Horticulture. 3 Hours.
This course presents the fundamentals of horticulture including topics such as environmental factors affecting plants, methods of growing plants, pruning, grafting, harvesting and storing, pests and horticulture plants and their control, horticulture for home grounds, and the vegetable garden. Laboratory activities enable students to practice experimental design and planting techniques used in horticulture.

SC 373. Inorganic Chemistry. 3 Hours.
This course is designed to introduce the basic principles and concepts of inorganic chemistry. The course is intended for students who wish to pursue careers in chemistry, biochemistry, pharmacology, or the life sciences. Topics to be covered include: atomic and molecular structure, experimental techniques, bonding in polyatomics, acid/base chemistry, oxidation/reduction, descriptive chemistry of hydrogen and the s, p, d, and f block elements. Prerequisite(s): SC 181 and SC 182 and MS 181.

SC 381. Organic Chemistry I. 3 Hours.
This course comprises the first semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on chemical bonding, stereochemistry, and reaction mechanisms. Chemistry, as one of the exact sciences, requires quantification. Therefore, development of the critical thinking and problem solving strategies, as well as the experimental know-how and laboratory skills are major objectives of the course. Introduction to microscale lab techniques, modern analytical instrumentation, as well as computation technology additionally supports objectives of the course. Prerequisite(s): SC 182.

SC 382. Organic Chemistry II. 3 Hours.
This course comprises the second semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on stereochemistry, modern instrumental methods in identification of organic compounds, energetics, reaction mechanisms, and selected applications in biochemistry. Critical analysis of structure- properties relationships in organic chemistry, and their applications, as well as more advanced know-how (FT-NMR or FT-IR, and UV/Vis spectroscopy) and laboratory skills (applications of semi-empirical molecular computations, and multistep synthetic procedures) are major objectives of this course. Prerequisite(s): SC 381.
SC 383. Junior Science Research Seminar. 3 Hours.
This course introduces students to careers in science, the scientific research process, and research expectations within the biology, health science, chemistry and environmental science majors. The major focus is to develop a senior research proposal on the basis of what is attainable, interesting, and meaningful. Students learn, in detail, both the limits and expectations of undergraduate research in the sciences. Students are introduced to the important role of library resources and the professional literature as they investigate their chosen topic. Students will be expected to write a resume and career goals statement, give an oral presentation on a chosen career field in science, lead a class discussion of a scientific article, and submit a written research proposal that includes a scientific literature review, problem statement or hypothesis, a timeline for completion, and detailed budget for their proposed senior thesis research. Students will also give an oral presentation on their proposed research and evaluate other student’s research proposals.
Prerequisite(s): SC 224.

SC 393. Physical Chemistry. 3 Hours.
This course provides an introduction to the methods describing complex physiochemical systems and their responses to external chemical and/or physical stresses. Classical and modern theories of equilibrium and non-equilibrium thermodynamics, kinetic theory of transport phenomena, as well as quantum and statistical mechanics are introduced and applied to molecular systems and spectroscopy. Biological and biochemical problems are shown how to be formulated and solved by using principles of physical chemistry. Prerequisite(s): MS 132 and MS 181 and SC 182 and SC 272.

SC 394. Analytical Chemistry. 3 Hours.
This course is an introduction to the fundamentals of analytical chemistry. It covers sample treatment, statistical analysis of data, measurement errors, and applications of chemical equilibrium, kinetics, transport, light scattering, emission, and absorption to chemical analysis. The following analytical methods are studied: Volumetric, gravimetric, electrochemical, chromatography, and spectroscopy. The course includes lab. Prerequisite(s): MS 132 and (MS 180 or MS 181) and SC 382 and SL 382.

SC 399. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 410. Motor Learning in Human Performance. 3 Hours.
This course explores the application of learning and performance of motor skills. Topics include the scientific study of motor skills and abilities, motor control, attention and memory, motor skill learning, instruction and augmented feedback, and practice conditions. Prerequisite(s): SC 222 or SC 120.

SC 450. Physical Biochemistry. 5 Hours.
This course entails a study of the physical processes involved in living systems including thermodynamics and equilibria, kinetics and transport phenomena, and applications of quantum chemistry and spectroscopy. Prerequisite(s): SC 352 and SL 393 and MS 182 and SC 272.

SC 481. Biological Research & Laboratory Safety I. 3 Hours.
This course serves as the capstone course in the Biology major. Under supervision of the instructor, students are expected to conduct self-directed, individual laboratory or field research in biology. During this course, students will collect and analyze data, and share the results of experiments with classmates in a seminar setting. At the end of the semester, students present the final results of their research in the form of a final oral presentation and written thesis. Prerequisite(s): SC 383.

SC 482. Biological Research & Laboratory Safety II. 3 Hours.
The course serves as the continuation of the capstone course in the Biology major and is necessarily preceded by SC 481. Students who wish to continue with their laboratory or field research may elect to take this course. The emphasis during this semester will be on increasing sample size or elaborating on the research that was started in SC 481. Students will be required to share their final results with the Husson University community and at a regional or national scientific meeting. Students will be encouraged to publish their work in the peer-reviewed literature. Prerequisite(s): SC 481.

SC 490. Environmental Science Research Seminar I. 3 Hours.
Environmental Science is a dynamic, responsive, and applied discipline. In this experiential course, students explore potential careers and research areas in Environmental Science. With individual guidance from course instructors as well as collaborative study, students will develop working résumés, apply for internship positions, and synthesize the primary scientific literature in their field of interest to develop a feasible scientific research proposal. An internship in environmental science with a local, state, or federal agency or a private organization is a required component of this course: students share their internship experience with classmates and the Husson community.

SC 491. Environmental Science Research Seminar II. 3 Hours.
This course serves as the capstone course in the Environmental Science Program. With guidance from course instructors, students conduct individual, self-directed research in their field of interest within the discipline of Environmental Science. During this course, students collect, analyze, and interpret data to complete a final written thesis. Students disseminate the results of their research with classmates and the Husson community in the form of a written and oral presentation. Exceptional students are encouraged to present their research at a local, state or national conference. Prerequisite(s): SC 490.

SC 492. Senior Chemistry Research Seminar. 3 Hours.
This course serves as the capstone course in the Biology major. Under supervision of the instructor, students are expected to conduct self-directed, individual laboratory or field research in biology. During this course, students will collect and analyze data, and share the results of experiments with classmates in a seminar setting. At the end of the semester, students present the final results of their research in the form of a final oral presentation and written thesis. Prerequisite(s): SC 383.

SC 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.
B.S. Educational Studies

For those interested in working in a non-classroom setting, the educational studies major offers students the option of a non-certification concentration in Physical Education or Elementary Education. A student completes a six credit hour internship that provides exposure to an alternative educational setting such as the YMCA, Maine Discovery Museum, or Municipal Recreation Departments. These concentrations are uniquely designed to parallel the certification program(s). If the student were to pursue certification, all required coursework, with the exception of student teaching would be completed.

B.S. Educational Studies - Elementary Education

**General Education Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
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<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
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</tr>
<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
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<tr>
<td>HE 111</td>
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<tr>
<td>HY 102</td>
<td>Early World Civilizations</td>
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<td>HY 111</td>
<td>United States History I</td>
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<tr>
<td>MS 115</td>
<td>Quantitative Literacy</td>
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</tr>
<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
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<td>MS 141</td>
<td>Contemporary College Algebra</td>
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<tr>
<td>PH 110</td>
<td>Introduction to Ethics</td>
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<tr>
<td>PY 111</td>
<td>General Psychology</td>
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</tr>
<tr>
<td>PY 141</td>
<td>Human Growth and Development</td>
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<tr>
<td>SC 104</td>
<td>Organismal Biology</td>
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<td>Foreign Cult. &amp; Conv. Elect.</td>
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**Professional Educational Courses**

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<td>ED 203</td>
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<td>ED 204</td>
<td>Classroom Management</td>
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<td>ED 231</td>
<td>Curriculum, Instruction, and Assessment</td>
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<td>Technology in Education</td>
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<td>ED 310</td>
<td>Educational Practicum I</td>
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<td>Methods in Science</td>
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<td>ED 321</td>
<td>Educating Exceptional Students</td>
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<td>ED 328</td>
<td>Children's Literature</td>
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<td>ED 332</td>
<td>Methods in Teaching Writing in the Schools</td>
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<td>ED 389</td>
<td>Educational Psychology</td>
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<td>Methods in Reading and Language Arts 4-8</td>
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<td>ED 408</td>
<td>Methods in Reading and Language Arts, PK - 3</td>
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<tr>
<td>ED 409</td>
<td>Methods in Mathematics</td>
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<tr>
<td>ED 415</td>
<td>Methods in Social Studies</td>
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<td>ED 422</td>
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<td>ED 430</td>
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<tr>
<td>PY 322</td>
<td>Diversity &amp; Multiculturalism</td>
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</tr>
<tr>
<td>SC 261</td>
<td>Integrated Physical Science I</td>
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<td>SC 262</td>
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<td>SC 263</td>
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**Suggested Course Sequence**

**First Year**

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<tr>
<th>Course</th>
<th>Fall Hours</th>
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<td>HY 102 3</td>
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<td>PH 110</td>
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| Total |            | 17          | 15          |

**Second Year**

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<tr>
<td>EH 200</td>
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<td>ED 310 1</td>
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<td>MS 115</td>
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<td>SC 261 3</td>
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<td>PY 322</td>
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**Third Year**

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| Total |            | 15          | 16          |

**Fourth Year**

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<td>Foreign Culture and Conversation Elective</td>
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**B.S. in Educational Studies - Physical Education**

### General Education Courses

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<td>Introduction to Ethics</td>
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<td>PY 111</td>
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<td>SM 304</td>
<td>Principles of Sports Medicine</td>
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<td></td>
<td>Fine Arts</td>
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<td>Open Electives</td>
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### Professional Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ED 201</td>
<td>Phil Foundations of Education and Clinical Experience</td>
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<tr>
<td>&amp; ED 203</td>
<td></td>
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</tr>
<tr>
<td>ED 202</td>
<td>Methods of Teaching Outdoor and Adventure Education</td>
<td>3</td>
</tr>
<tr>
<td>ED 208</td>
<td>Skills Activities</td>
<td>3</td>
</tr>
<tr>
<td>ED 213</td>
<td>Curriculum and Evaluation in Health and Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>ED 222</td>
<td>Personal Health &amp; Fitness</td>
<td>3</td>
</tr>
<tr>
<td>ED 240</td>
<td>History and Philosophy of Physical Education</td>
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</tr>
<tr>
<td>ED 243</td>
<td>Team Sports/Tech &amp; Strategies</td>
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</tr>
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<td>ED 302</td>
<td>Adapted and Developmentally-Appropriate Physical Education and PE/Health Practicum III</td>
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</tr>
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<td>&amp; ED 423</td>
<td></td>
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<tr>
<td>ED 307</td>
<td>Technology in Education</td>
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<tr>
<td>ED 350</td>
<td>Teaching Elementary and Secondary Health Education</td>
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<tr>
<td>ED 389</td>
<td>Educational Psychology</td>
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<td>ED 321</td>
<td>Educating Exceptional Students</td>
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<td>ED 410</td>
<td>Assessment in Health and Physical Education</td>
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<td>ED 422</td>
<td>Educational Studies</td>
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<tr>
<td>ED 444</td>
<td>Individual Sports &amp; Lifetime Activities</td>
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<td>ED 446</td>
<td>Elementary P.E. Methods and PE/Health Practicum I</td>
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<tr>
<td>&amp; ED 223</td>
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<td>ED 447</td>
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<td>PY 322</td>
<td>Diversity &amp; Multiculturalism</td>
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<td>SC 330</td>
<td>Exercise Physiology</td>
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<td>SC 360</td>
<td>Biomechanics &amp; Kinesiology in Human Performance</td>
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<tr>
<td>SC 410</td>
<td>Motor Learning in Human Performance</td>
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### Suggested Course Sequence

#### First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
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<tr>
<td>ED 240</td>
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<td>ED 201</td>
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<tr>
<td>EH 123</td>
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<td>ED 203</td>
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<tr>
<td>HE 111***</td>
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<td>ED 222</td>
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<tr>
<td>MS 141</td>
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<td>EH 124</td>
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<tr>
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| Total        | 17    | 15           |       |

#### Second Year

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<th>Fall</th>
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<th>Spring</th>
<th>Hours</th>
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<tr>
<td>ED 208</td>
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<td>ED 243</td>
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<td>ED 213</td>
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</tr>
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<td>SC 101</td>
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<td>SC 120</td>
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<tr>
<td>Foreign Culture and Conversation Elective</td>
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<td>SC 410</td>
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| Total        | 15    | 16           |       |

#### Third Year

<table>
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<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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<tr>
<td>ED 202</td>
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<td>ED 323</td>
<td>1</td>
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<tr>
<td>ED 223</td>
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<td>ED 389</td>
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</tr>
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<td>ED 446</td>
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<td>ED 410</td>
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<tr>
<td>PH 110</td>
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<td>ED 447</td>
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<td>PY 322</td>
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<td>SC 360</td>
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<tr>
<td>SC 330</td>
<td>3</td>
<td>SM 304</td>
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| Total        | 16    | 16           |       |

#### Fourth Year

<table>
<thead>
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<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ED 302</td>
<td>3</td>
<td>ED 422</td>
<td>6</td>
</tr>
<tr>
<td>ED 307</td>
<td>3</td>
<td>Open Elective</td>
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</table>
ED 350  3  Open Elective  3
ED 423  1  Open Elective  3
ED 444  3
Fine Arts Elective  3

Total Hours: 126

*** Credit may not be required for degree completion.

Courses

ED 201. Phil Foundations of Education. 3 Hours.
An integral component for all education majors, this course is designed to provide a basic understanding of the rewarding, yet challenging, teaching profession. Students broadly explore an overview of the educational field and its philosophical, political, legal, and social foundations. Current issues impacting education in a changing society will be examined. Coursework is intended to stimulate thoughtful reflection as students use information to develop their own beliefs concerning educational issues. Education Students will complete their first 30 hour clinical (ED 203) as part of this course. Students in other majors are not required to complete the Clinical Experience.

ED 202. Methods of Teaching Outdoor and Adventure Education. 3 Hours.
The course is designed to expose students to a variety of outdoor experiences with an emphasis on student participation in the activities. Students will also explore ways to incorporate outdoor in a variety of educational settings. Mastery of certain skills and the methodology employed in presenting these skills will be central to the course. Examples of the types of activities that may be covered through the course include canoeing, hiking, mountain biking, orienteering, camping skills, outdoor games, and an introduction to winter sports.

ED 203. Clinical Experience. 0 Hours.
All Education students are required to complete one 30 clock-hour block of a non-credit clinical observation experience in K-12 schools. This experience is completed as part of ED 201 Philosophical Foundations of Education and is designed to allow students to better understand the profession by observing experienced teachers in classroom settings. Through this experience, future educators will gain an appreciation of what happens "behind the scenes" in schools and other professional settings. Prerequisite(s): ED 201.

ED 204. Classroom Management. 3 Hours.
This course is designed to explore classroom management practices in educational settings. The course is taken concurrently with an education practicum so students will be able to observe and implement the techniques of practicing teachers in the areas of behavior modification, social skills training, and classroom management structures.

ED 208. Skills Activities. 3 Hours.
This course explores the application of learning and performance of motor skills in a variety of activities. Dance, racquet sports, aquatics and track/field will be participatory and allow students to gain experiential opportunities with instruction, drill progression, strategies, equipment and facility preparation and reflection. Instructor and peer feedback will enhance this class, and allow tactical decision-making competencies.

ED 213. Curriculum and Evaluation in Health and Physical Education. 3 Hours.
This course introduces Health and Physical Education majors to curriculum design and policy. Students will explore how to create, design, organize and evaluate a K-12 Health or Physical Education curriculum. Students will also learn how such a curriculum would be implemented and be expected to relate how a curriculum map ensures that all appropriate Maine Learning Results and grade level competencies are included. This course addresses multiple outcomes relating to the curriculum found in InTASC.

ED 215. Teaching Elementary Health Education. 3 Hours.
This course covers the foundation for healthy habits and active lifestyles which are introduced and reinforced during the K-8 experience. Topics that build both self-esteem and character, along with experiential health and physical activities will be examined. The American Association for Health Education and the Maine Learning Results will be used in conjunction with curriculum guides as students design lessons and units in health education.

ED 222. Personal Health & Fitness. 3 Hours.
This course is designed to introduce the health and physical education student to a core of competences to employ at the K-12 teaching levels. Several health topics will be covered including personal fitness, mental health, stress management, nutrition and diet, tobacco, and cardiovascular disease, as well as a variety of fitness and healthy experiences with an emphasis on actual participation in the activities.

ED 223. PE/Health Practicum I. 1 Hour.
The Practicum courses are one credit offerings designed to provide field experience for students enrolled in the three ED methods courses associated with their major. They are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement, most often within a school, secured by the clinical placement supervisor. This course is taken by physical education majors concurrently with ED 446. Prerequisite(s): ED 203.

ED 231. Curriculum, Instruction, and Assessment. 3 Hours.
This course is designed for students in the elementary/secondary education K – 12 programs. It is a general methods course for assessment, curriculum design, development and methods of instruction. This course focuses on the "what to teach", "how to teach", and "planning the context for teaching and learning" with the goal of providing an integrated approach in instruction. Such an integrated approach involves interventions (accommodations and modifications) in the design of instruction to teach all learners. This course ensures that pre-service teachers gain a broad knowledge in the methods of instruction as well as supporting diversity in the classroom. The course presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Prerequisite(s): ED 201.

ED 240. History and Philosophy of Physical Education. 3 Hours.
This course is an introduction to the philosophical and historical principles of health and physical education. It will include an historical overview of these education disciplines and cover current day principles. This course also offers an opportunity for critical examination of both theory and practice in the professions of health and physical education, wellness, sport and fitness.
ED 243. Team Sports/Tech & Strategies. 3 Hours.
Formal physical education, recreational and camp settings include games and strategies. It is the strategies component that enhances participation. Understanding game strategy promotes application of techniques and skills. Games research has also shown that the more strategy participants understand, the greater the chance of participation and satisfaction (Mitchell, S.). Thus tactical problem solving and teaching strategies will be the points of emphasis within a variety of invasion, net/wall, target, and striking/fielding games. Students will have the opportunity to learn skills, drills, techniques and strategies, and practice planning and teaching sport lessons during class.

ED 302. Adapted and Developmentally-Appropriate Physical Education. 3 Hours.
Adapted and developmentally appropriate physical education programs are the art and science of developing, implementing, and monitoring carefully designed instructional programs to meet the unique needs of individuals. Teaching approaches are both task-specific and developmental in nature and the course is designed to enable teachers to successfully address a range of specific needs in the physical education setting. This course is based on authentic and comprehensive assessments to give participants skills necessary for a lifetime of leisure, recreation, and sport experiences to enhance physical fitness, participation and wellness. Prerequisite(s): ED 201 and ED 213 and (ED 232 or ED 447).

ED 307. Technology in Education. 3 Hours.
This course surveys the history and structure of the field of instructional technology, with an emphasis on integrating as an educational tool. Students will experience creative skills and confidence necessary to use mainstream and emerging hardware and software available in most school settings. Prerequisite(s): ED 204 and ED 231.

ED 310. Educational Practicum I. 1 Hour.
ED 310 Education Practicum is the first classroom experience for university students considering the profession of teaching by spending time in an assigned classroom, students will shift their perspective from that of a student to that of a teacher. This experience is designed, in part, to provide students with the opportunity to interact with a mentor teacher and pupils in a classroom setting. The extent of involvement will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. This course is viewed as a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for participating students. Prerequisite(s): ED 203.

ED 314. Assessment Practices. 3 Hours.
Provides comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Students learn to construct and use paper-and-pencil, alternative, and standardized assessments; analyze objectives; use grading systems; and judge assessment quality.

ED 316. Methods in Science. 3 Hours.
Science education is presented with a constructivist approach. Students become familiar with curricular content, methodology, and instructional planning that stimulates scientific interest and concept formation. Resources for science education will be collected for future. With a constructivist approach in mind, techniques for assessing student inquiry processes are explored. Students also learn ways to use instructional and design technology to enhance lessons. Prerequisite(s): ED 204 and ED 231.

This course offers a hands-on, practical approach that introduces students to a variety of strategies they can directly implement upon entering a position as a 7-12 teacher of science. Concentrating on practical application rather than theoretical implications, students will refine and add to their repertoire of teaching strategies. We will begin by learning how differentiating activities, based upon learning styles and ability, can enhance the learning of each student in a classroom. Students will be engaged in the direct completion of project-based learning in the form of laboratory experiences, lesson building, and cooperative tasks. Direct implementation of current science project-based pedagogy will be the emphasis. Students will apply their understanding of the new methods by creating a series of mini-lessons, typical lessons, and projects that are reflective of their understanding. Teaching science is not just about creating lesson plans and writing labs – it is also about engaging students, maintaining their interested in science and devise a number of ways to motivate them to complete their learning tasks and raise their aspirations. Many classes will begin with sample laboratory experiences and will then progress forward to introduce, explain, and model different methods for instruction, questioning, and assessment; all within the context of product-based inquiry. The course will seek to help pre-service teachers to develop an understanding and appreciation of science. This will hopefully make an impression upon students to acquire knowledge, attitudes, and skills essential to science literacy. Prerequisite(s): ED 231 and ED 204.

ED 318. Teaching Students With Special Needs. 3 Hours.
This course is designed to provide Career and Technical Education (CTE) teachers, educational technicians and teachers-in-training the necessary skills to develop learning environments where all special needs students can be successful. It is built upon the foundations of current legislation, appropriate curricula, assessment modifications and individualized instruction using successful teaching strategies to provide improved levels of success for students with special needs.

ED 319. Methods in Secondary English. 3 Hours.
In this course students learn how to teach reading and writing genres with secondary students. We explore strategies and processes in the English Language Arts while connecting it to literacy across the curriculum. We explore literacy and technology, accommodations and differentiated learning, assessment, selection of literature to serve purposes for reading and writing, issues in the secondary classroom, and models of instruction. We will inquire into certain questions, such as, What methods work best with adolescents? How does technology fit into the classroom? Why is reflection a big deal? How does the English teacher address reading and writing in the content areas? What does being an English teacher mean? You will be both a student in the course, participating in practices, and a teacher, designing and implementing learning sequences. The course objectives address the Common Core, InTASC, and ISTE NETs standards. Prerequisite(s): ED 204 and ED 231.
ED 320. Education Practicum II. 1 Hour.
Education Practica provide classroom experience for university students thinking of becoming teachers. By spending time in an assigned classroom students will shift their perspective from that of a student to that of a teacher. These experiences should be viewed as pre-student teaching opportunities and are designed, in part, to provide university students with the opportunity to interact with a mentor teacher and students in a classroom setting. The extent of involvement with the mentor teacher will depend on his or her needs, the organization of the classroom, and the stage of development of the practicum student. Practicum students have varied backgrounds and experiences. These strengths and experiences should be utilized to enrich the learning opportunities for the students in the classroom and the practicum student. This program is a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for university students seeking a career in teaching. Prerequisite(s): ED 203.

ED 321. Educating Exceptional Students. 3 Hours.
Prepares classroom teachers to successfully educate students with disabilities within the regular classroom setting. While the primary focus is to manage the instructional requirements of students with disabilities, the course incorporates the legal and ethical standards for mainstreaming and the roles of parent advocacy and support groups. Additionally, students become familiar with instructional issues represented by students from culturally, ethnically, and socio-economically diverse populations. Course content also explores the importance of enhancing educational opportunities of diverse learners via procedural due process, diagnostic practices, and development of professional and parent collaboration.

ED 323. PE/Health Practicum II. 1 Hour.
The Practicum courses are one credit courses designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 201 and ED 213 and ED 203.

ED 324. Young Adult Literature. 3 Hours.
This course, organized by trends in young adult literature, offers participants an opportunity to learn more about the young adult novel and other genres, how to select appropriate, high-quality books, how to incorporate it into a traditional classic-based classroom, and how to make the reading of young adult novels relevant to students' lives. Through reading, discussing, and writing about books in different genres, students explore issues and trends including appropriation in the classroom, close reading strategies, issues of diverse audiences and subject matter, the young adult and the canon, and literary theory such as reader response. Participants select books of their interest, read class books, and make connections to readings from the professional literature. The course integrates the Common Core and InTASC standards for teachers. It will help teachers find practical ways to integrate quality young adult novels into their curriculum, integrating teaching of literature and content areas, and making literature more accessible for their students. Prerequisite(s): ED 201.

ED 325. Brain Gym. 3 Hours.
This course provides an introduction to educational kinesiology and an overview of Brain Gym movements. Students will also learn a multi-step implementation process for increasing concentration, participation and problem-solving in the classroom. The highly interactive course design encourages the integration of Brain Gym techniques throughout the learning process.

ED 328. Children's Literature. 3 Hours.
This survey course provides an overview of children's literature, its genres, authors, ideas for instruction and response, criteria of selection, children's development, and the teacher as reader. Students will explore ways to bring children to diverse, contemporary children's literature in the language arts and content areas while at the same time becoming more experienced, insightful, and informed readers of children's literature. Prerequisite(s): ED 201.

ED 330. Substance Abuse and Prevention. 3 Hours.
Society faces abuse challenges as a result of domestic and global sources of addictive substances. This course offers an opportunity for critical examination of both theory and practice as students analyze available data on substances such as nicotine, caffeine, alcohol, over the counter drugs, prescriptive drugs and illegal drugs. Students also examine the role family, friends, education, the media and/or marketing may play in the decision-making process of individuals. Drug prevention programs and rehabilitative programs are reviewed with video input from professionals. Course content is drawn from videos, interviews, research, case analysis, projects and online discussion. These serve as reflective tools to build the student’s knowledge.

ED 332. Methods in Teaching Writing in the Schools. 3 Hours.
This course is based on the belief that teachers of writing at any grade level teach with greater understanding when they are active writers themselves and when their writing has a place and function in the world. Participants practice in instruction that draws on research on teaching writing, in assessment of writing, and in the teaching of the writing process approach, conducting conferences, modeling, and writing in the content areas with applications in the classroom. Adapting instruction to the development of writers is included. Participants focus on how they, as teachers, solve problems in writing so they support young writers develop their writing. Strategies of instruction are explored through focused lessons addressing Common Core standards and demonstrated during our sessions. Integration of practicum experience and application of course principles and strategies are expected. Prerequisite(s): ED 204 and ED 231.
ED 350. Teaching Elementary and Secondary Health Education. 3 Hours.
This course can help prepare elementary and secondary level health educators with information, classroom management techniques, instructional strategies and appropriate curriculum, as well as provide opportunities for teaching health lessons to peers with peer feedback. Prerequisite(s): ED 201 and ED 213.

ED 352. Emerging Trends In Career and Technical Education. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 380. Curriculum-based Instruction for the CTE Classroom and Shop. 3 Hours.
This course will focus on brain-based learning, strategies to develop student skills as readers, writers, and thinkers, Quadrant D lesson planning, gradual release of responsibility model, and questioning techniques.

ED 381. Introduction to Effective Classroom Management. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 382. Introduction to CTE Classroom Teaching. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 383. E-Portfolio for Teachers. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 389. Educational Psychology. 3 Hours.
The course examines the educational perspectives of K-12 students. Students in the course will incorporate the principles of educational psychology in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. Theories, principles, and issues investigated in this course are cognitive, linguistic, personal, social, emotional & moral development, and students with special needs. There will be an in depth study of how students learn in the areas of cognitive learning process, construction of knowledge, behavior views of learning, social cognitive learning and motivation. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. This is a third year course. Students will demonstrate their understanding by identifying the principles of educational psychology during visits to their assigned schools. Prerequisite(s): PY 111.

ED 404. Methods in Reading and Language Arts 4-8. 3 Hours.
This course explores research-based reading and language arts practices in teaching students in grades four through eight. The course introduces assessment, curriculum, and instructional strategies that can be adapted for intermediate (GR 4-5) and middle school (GR 6-8) students. The course focuses on current methods to teach and assess reading and language arts include vocabulary, inquiry into essential questions, and content specific reading and writing. With the idea that assessment drives instruction, students practice approaches to teaching reading strategies, language experience, and literature-based explicit reading instruction with a focus on socio-cultural influences. Participants practice the assessment and instruction in an interactive environment where teacher is reader. Students develop professional awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 408. Methods in Reading and Language Arts, PK - 3. 3 Hours.
The course introduces students to current, research-based methods in teaching reading and language arts to children in preschool through grade three. Topics include emergent literacy development, balanced literacy, spelling, oral language, writing, speaking, and listening. With the idea that assessment drives instruction, students will practice using and analyzing data from a variety of assessment tools to plan and deliver instruction in reading and the language arts. Students will also explore how language arts are a result of cultural and social experiences. Students will connect methods and theory of reading and ELA with knowledge of genres in children’s literature with a focus in selection of books and integration in instruction. This course is interactive and gives students the opportunity to practice the methods they learn. Students will develop the skills to guide children’s experiences and learning, and develop professional perspective and awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 409. Methods in Mathematics. 3 Hours.
This course introduces mathematic concepts and problem solving strategies along with real-world applications. Methods emphasize an active learning process in which children engage in guided discovery and problem solving opportunities. Teachers learn to coach youngsters to reflect on their process to clarify ideas for themselves and to share their thoughts with others. Models of engaged learning scenarios will be developed and discussed. Prerequisite(s): ED 204 and ED 231.

ED 410. Assessment in Health and Physical Education. 3 Hours.
The focus of this course will be on measurement and assessment of achievement. Multiple practice opportunities will be provided in designing and implementing measurement/evaluation methods and tests recognizing that the ultimate purpose is to enhance the decision-making process so improvement can be made (Baumgartner, 2007). Both the classroom and lab will be utilized to implement health and physical education tests and evaluation. Students gain skills using assessments within physical education and health education content. Tools for assessing the levels of competency are utilized at each elementary and secondary grade level. Teacher preparation students will apply these assessment tools to current programs.

ED 411. CTE Assessment I. 3 Hours.
This course will provide an introduction to the use of formative, summative and diagnostic assessments. Specific topics will include the appropriate use and design of certification tests as well as reading and math assessments.
ED 415. Methods in Social Studies. 3 Hours.
Methods in teaching Social Studies provides students with an overview of the field of Social Studies, selected issues in the field, and best practice strategies for teaching social studies in the K - 8 classroom. Students will identify important social studies knowledge, skills, and dispositions; investigate how students learn most effectively; and apply this new learning to lesson/unit design and instruction. Curriculum will be aligned to both national and state standards for both social studies and literacy. Prerequisite(s): ED 204 and ED 231.

ED 419. Mentoring Children and Youth. 3 Hours.
Through experience in this course, students will develop a mentoring relationship with either an elementary or middle school student. Mentoring can be an intense process where a positive, adult role model is matched with a youngster who needs assistance with academic efforts and social/behavior issues. This course will provide insight to many issues that surround a youngster’s life. Issues and topics on poverty and education, cross-cultural competencies, tutoring skills, goal setting and violence in schools and society will be addressed.

ED 420. Physical Activity Programming in Youth Development. 3 Hours.
This class will provide a philosophical and practical base for working in youth development programs. This class will discuss the history of youth development programming, the current trends in youth development and the role of physical activity as a tool to better serve youth. This class will focus on programs that serve youth through physical activity, with special emphasis on goals of personal and social responsibility.

ED 421. Evaluating Youth Development Programs. 3 Hours.
Students will become aware of various models for evaluating youth development programs, and become familiar with the rationale and various assumptions for evaluating youth development programs. Students will also understand the various data sources for evaluating youth development programs, and be knowledgeable of the various ways to analyze, interpret, and disseminate data collected in the evaluation process.

ED 422. Educational Studies. 6 Hours.
ED 422 is the capstone experience for education students seeking future employment in a setting other than a traditional classroom. The 90-hour internship is spread over a minimum of twelve weeks and allows students to gain practical experience working with staff, learners, and other members of an agency or organization in a community setting (e.g. municipal recreation departments, public libraries, children’s museums, social service agencies, etc.) During this field experience, students learn about the organization or agency, study the implementation and evaluation of its programming, and design a related project to contribute to the site. The connected on-campus class will provide an opportunity for students to share their experiences and provide peer feedback.

ED 423. PE/Health Practicum III. 1 Hour.
One credit practicum courses are designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 203.

ED 430. Educational Practicum III. 1 Hour.
Education practica provide classroom experiences for future teachers. These experiences are designed, in part, to provide students with the opportunity to interact with a mentor teacher (MT) and pupils in the classroom setting. The extent of involvement with an MT will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. Strengths and experiences gained from practica should enrich the learning in the classroom. Prerequisite(s): ED 203.

ED 440. Disease Prevention & Health Promotion. 3 Hours.
In this course, core competencies regarding disease prevention and health promotion will be obtained, practiced and employed. Students will build upon personal health and wellness skills, and incorporate diverse perspectives in designing and implementing a Health Promotion program.

ED 441. Community Health. 3 Hours.
Community Health encompasses the topics of public health issues, policies and community health services across the lifespan. Students also study global health issues, community health issues and the impact of environment, geographic location and socio-economic status on human health, as well as public policies and health services. In this course, students will research and present a community health education and picture project.

ED 444. Individual Sports & Lifetime Activities. 3 Hours.
This course is designed to provide an informational and experiential overview of pursuits that may be classified as individual sports and lifetime activities. Attention will be paid to what place these activities may have in schools, recreational programs and other programs associated with youth development and learning. The role of lifetime fitness and health will be discussed and explored.

ED 445. Comprehensive School Health. 3 Hours.
This course will focus on the need for comprehensive school health education for students and society. Students will examine the role of the health educator as coordinator of the school health program. National Health Standards will guide the curricula as students learn about policies, procedures and activities designed to promote K-12 healthy living.

ED 446. Elementary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques during the concurrent practicum ED 323 PE/Health Practicum II. Prerequisite(s): ED 201 and ED 213.

ED 447. Secondary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques by conducting lessons during the attached practicum experience. Prerequisite(s): ED 201 and ED 213.
ED 450. Student Teaching/Seminar in Teaching. 15 Hours.
ED 450 is the culminating experience of the Husson Teacher Education Program and occurs after all other coursework and requirements have been completed. It has two required concurrent sections: a sixteen-week student teaching field placement and a weekly capstone seminar in teaching. This dual approach is designed to integrate pedagogy and professional practice to ensure that clear connections are made by student teachers as they strive to become effective educators. The InTASC Model Core Teaching Standards and the National Educational Technology Standards for Teachers NETS-T provide the framework for both the student teaching section and the seminar. ED 450 is viewed as a collaborative undertaking among students, instructors, and supervising teachers.

ED 499. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer advanced courses in education that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

ED 600. Research Methods in Business and Education. 3 Hours.
This course is designed for graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

ED 601. Theoretical Foundations of Learning. 3 Hours.
This is an advanced study of the application of the principles of educational theory and psychology in teaching students PK–12. Theories, principles, and issues investigated in this course include cognitive, linguistic, personal, social, emotional and moral development, the role of educational theory in practice, and students with special needs. Students in the course will incorporate the principles of educational psychology and an array of theoretical frameworks in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. The course includes an in-depth study in the areas of cognitive process, construction of knowledge, behaviorists’ views of learning, social cognition, and motivation. Students will conduct analyses of learning theories in light of this knowledge. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. Emphasis will be on the development of successful academic and social interventions using an inquiry-based approach. Students will demonstrate their understanding by identifying the principles of educational psychology and learning theory in their school setting.

ED 603. Advanced Curriculum and Instruction. 3 Hours.
This graduate level core course is designed to enhance student understanding of curriculum content, design, policy, and instructional strategies through the application of curriculum theory, assessment and technology. Students acquire skills in planning the context for learning utilizing authentic experiences for diverse populations and the promotion of successful academic and social interventions using an inquiry-based approach. Identification and implementation of research-based instructional strategies are examined. Curricula are analyzed using an integrated approach to instruction that promotes grade level competency. Students demonstrate curricula mapping in accordance with Maine standards.

ED 701. Introduction to School Guidance Counseling. 3 Hours.
This course will survey the philosophy, objectives, principles and program of comprehensive developmental school guidance programs at the K-12 level. The course will focus on National and State Models of School Counseling.

ED 702. Advanced Assessment Practices. 3 Hours.
In this advanced assessment course, students will develop an understanding of current trends, issues, and practices in assessment and apply their understanding to classroom, school, and district practices. This core course in the Master of Education program is conducted in seminar format. Students prepare for course meetings and participate in whole group discussions online and in person related to the readings, current practice, experience in assessment, and knowledge of trends and issues, making connections between the theory and classroom, and school-wide practices. Students will create and reflect upon online discussions to analyze the strengths and purposes of assessment instruments, analyze data, evaluate recommendations and interventions based on assessment findings and synthesize the information in communication appropriate to different stakeholders, colleagues, administrators, and families. Students will present practices, findings of research, analyses of assessments in multi-media presentations and develop an e-portfolio documenting the processes of the course, the self-evaluation, and the learning in the course.

ED 705. The Changing Role of the School Counselor. 3 Hours.
This course will review the historical and philosophical bases for school counseling programs, explore traditional roles for the school counselor, and examine the ethical and legal responsibilities of school guidance counselors. Focus will be given to recent applications of contemporary theories in educational settings as well as the role of the counselor in assisting all students in academic, career, and personal/social domains.

ED 706. STEM in the Classroom. 3 Hours.
This course provides the foundations of science, technology, engineering, and math (STEM) education disciplines based upon the Next Generation Science Standards (NGSS) and the Math and ELA Common Core Standards. The approach used will be a multi-disciplinary experiential learning method that will engage participants in scientific and mathematical practices that can be directly applied in the classroom to help learners make connections across curricula. Core topics include STEM pedagogy, the nature of STEM education disciplines, integrative STEM learning, and deepening knowledge within the STEM disciplines. Course objectives are grounded in the the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 707. Literacy Across the Curriculum. 3 Hours.
This advanced course explores how literacy, broadly defined as reading, writing, talking, viewing, representing, and listening, can be a tool for thinking and learning in the content areas for all PK-12 students in different school environments of a diverse and globalized society. The course provides opportunity for participants to discuss and practice inquiry-based approaches that support learning and literacy development in the content areas, while integrating technology and instruction and connecting reading and writing. The course includes the genres and texts that teachers might use in the teaching of reading for different purposes. Professional and research literature are included. The workshop/seminar format of the course is interactive and includes lectures and demonstrations as students become more knowledgeable with respect to ethical decision-making, social responsibility, and reflective practice. Class participants will serve as resources, collaborators and teachers through in-class discussions, group work, and projects.
**Certificate in Elementary Education**

Husson’s Elementary Education - Teacher Certification program is designed to prepare individuals who already possess a Bachelor’s degree for K-8 Pathways II Teaching Certification.

Throughout the coursework and classroom experiences, competence is developed as students learn about and apply best instructional practices for all major academic areas, including reading/language arts, math, science, and social studies. A culminating seminar is taken in conjunction with a semester-long student teaching placement. This program meets all requirements set forth by the Maine State Department of Education. Students completing the Elementary Teacher Certification program may choose to teach in elementary or middle level classrooms, in either the private or public sector.

**Program Curriculum**

A bachelor’s degree from an accredited college or university is required. Students must have six (6) credits in the following areas as part of the degree or complete the required electives indicated below: math, science, social studies, and English/language arts.

<table>
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<th>Required Courses</th>
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<tr>
<td>ED 708. Advanced Classroom Management. 3 Hours.</td>
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<tr>
<td>ED 809. Integrating Technology into Instruction. 3 Hours.</td>
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<tr>
<td>ED 810. Contemporary Issues in Educational Leadership. 3 Hours.</td>
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<tr>
<td>ED 868. M.Ed. Capstone. 3 Hours.</td>
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**Additional Requirements**

*Pathways Candidates must have earned a minimum of a C+ on all Required Electives

*Pathways Candidates must earn a C+ on all Required Courses

*Methods courses transferred in must have been taken within the past five (5) years

*A minimum of nine (9) credits hours of Methods courses must be completed at Husson University

** Students must provide documentation of fingerprinting, background check and passage of PRAXIS I and II at time of application for Student Teaching.

**Recommended**

Educational Practicum, ED 307 Technology in Education

Total Hours 66

**Courses**

**ED 201. Phil Foundations of Education. 3 Hours.**

An integral component for all education majors, this course is designed to provide a basic understanding of the rewarding, yet challenging, teaching profession. Students broadly explore an overview of the educational field and its philosophical, political, legal, and social foundations. Current issues impacting education in a changing society will be examined. Coursework is intended to stimulate thoughtful reflection as students use information to develop their own beliefs concerning educational issues. Education Students will complete their first 30 hour clinical (ED 203) as part of this course. Students in other majors are not required to complete the Clinical Experience.

**ED 202. Methods of Teaching Outdoor and Adventure Education. 3 Hours.**

The course is designed to expose students to a variety of outdoor experiences with an emphasis on student participation in the activities. Students will also explore ways to incorporate outdoor in a variety of educational settings. Mastery of certain skills and the methodology employed in presenting these skills will be central to the course.

Examples of the types of activities that may be covered through the course include canoeing, hiking, mountain biking, orienteering, camping skills, outdoor games, and an introduction to winter sports.
ED 203. Clinical Experience. 0 Hours.
All Education students are required to complete one 30 clock-hour block of a non-credit clinical observation experience in K-12 schools. This experience is completed as part of ED 201 Philosophical Foundations of Education and is designed to allow students to better understand the profession by observing experienced teachers in classroom settings. Through this experience, future educators will gain an appreciation of what happens “behind the scenes” in schools and other professional settings. Prerequisite(s): ED 201.

ED 204. Classroom Management. 3 Hours.
This course is designed to explore classroom management practices in educational settings. The course is taken concurrently with an education practicum so students will be able to observe and implement the techniques of practicing teachers in the areas of behavior modification, social skills training, and classroom management structures.

ED 208. Skills Activities. 3 Hours.
This course explores the application of learning and performance of motor skills in a variety of activities. Dance, racquet sports, aquatics and track/field will be participatory and allow students to gain experiential opportunities with instruction, drill progression, strategies, equipment and facility preparation and reflection. Instructor and peer feedback will enhance this class, and allow tactical decision-making competencies.

ED 213. Curriculum and Evaluation in Health and Physical Education. 3 Hours.
This course introduces Health and Physical Education majors to curriculum design and policy. Students will explore how to create, design, organize and evaluate a K-12 Health or Physical Education curriculum. Students will also learn how such a curriculum would be implemented and be expected to relate how a curriculum map ensures that all appropriate Maine Learning Results and grade level competencies are included. This course addresses multiple outcomes relating to the curriculum found in InTASC.

ED 215. Teaching Elementary Health Education. 3 Hours.
This course covers the foundation for healthy habits and active lifestyles which are introduced and reinforced during the K-8 experience. Topics that build both self-esteem and character, along with experiential health and physical activities will be examined. The American Association for Health Education and the Maine Learning Results will be used in conjunction with curriculum guides as students design lessons and units in health education.

ED 222. Personal Health & Fitness. 3 Hours.
This course is designed to introduce the health and physical education student to a core of competences to employ at the K-12 teaching levels. Several health topics will be covered including personal fitness, mental health, stress management, nutrition and diet, tobacco, and cardiovascular disease, as well as a variety of fitness and healthy experiences with an emphasis on actual participation in the activities.

ED 223. PE/Health Practicum I. 1 Hour.
The Practicum courses are one credit offerings designed to provide field experience for students enrolled in the three ED methods courses associated with their major. They are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement, most often within a school, secured by the clinical placement supervisor. This course is taken by physical education majors concurrently with ED 446. Prerequisite(s): ED 203.

ED 231. Curriculum, Instruction, and Assessment. 3 Hours.
This course is designed for students in the elementary/secondary education K – 12 programs. It is a general methods course for assessment, curriculum design, development and methods of instruction. This course focuses on the “what to teach”, “how to teach”, and “planning the context for teaching and learning” with the goal of providing an integrated approach in instruction. Such an integrated approach involves interventions (accommodations and modifications) in the design of instruction to teach all learners. This course ensures that pre-service teachers gain a broad knowledge in the methods of instruction as well as supporting diversity in the classroom. The course presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Prerequisite(s): ED 201.

ED 240. History and Philosophy of Physical Education. 3 Hours.
This course is an introduction to the philosophical and historical principles of health and physical education. It will include an historical overview of these education disciplines and cover current day principles. This course also offers an opportunity for critical examination of both theory and practice in the professions of health and physical education, wellness, sport and fitness.

ED 243. Team Sports/Tech & Strategies. 3 Hours.
Formal physical education, recreational and camp settings include games and strategies. It is the strategies component that enhances participation. Understanding game strategy promotes application of techniques and skills. Games research has also shown that the more strategy participants understand, the greater the chance of participation and satisfaction (Mitchell, S.). Thus tactical problem solving and teaching strategies will be the points of emphasis within a variety of invasion, net/wall, target, and striking/fielding games. Students will have the opportunity to learn skills, drills, techniques and strategies, and practice planning and teaching sport lessons during class.

ED 302. Adapted and Developmentally-Appropriate Physical Education. 3 Hours.
Adapted and developmentally appropriate physical education programs are the art and science of developing, implementing, and monitoring carefully designed instructional programs to meet the unique needs of individuals. Teaching approaches are both task-specific and developmental in nature and the course is designed to enable teachers to successfully address a range of specific needs in the physical education setting. This course is based on authentic and comprehensive assessments to give participants skills necessary for a lifetime of leisure, recreation, and sport experiences to enhance physical fitness, participation and wellness. Prerequisite(s): ED 201 and ED 213 and (ED 232 or ED 447).

ED 307. Technology in Education. 3 Hours.
This course surveys the history and structure of the field of instructional technology, with an emphasis on integrating as an educational tool. Students will experience creative skills and confidence necessary to use mainstream and emerging hardware and software available in most school settings. Prerequisite(s): ED 204 and ED 231.
ED 310. Educational Practicum I. 1 Hour.
ED 310 Education Practicum is the first classroom experience for university students considering the profession of teaching by spending time in an assigned classroom, students will shift their perspective from that of a student to that of a teacher. This experience is designed, in part, to provide students with the opportunity to interact with a mentor teacher and pupils in a classroom setting. The extent of involvement will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. This course is viewed as a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for participating students. Prerequisite(s): ED 203.

ED 314. Assessment Practices. 3 Hours.
Presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Students learn to construct and use paper-and-pencil, alternative, and standardized assessments; analyze objectives; use grading systems; and judge assessment quality.

ED 316. Methods in Science. 3 Hours.
Science education is presented with a constructivist approach. Students become familiar with curricular content, methodology, and instructional planning that stimulates scientific interest and concept formation. Resources for science education will be collected for future. With a constructivist approach in mind, techniques for assessing student inquiry processes are explored. Students also learn ways to use instructional and design technology to enhance lessons. Prerequisite(s): ED 204 and ED 231.

This course offers a hands-on, practical approach that introduces students to a variety of strategies they can directly implement upon entering a position as a 7-12 teacher of science. Concentrating on practical application rather than theoretical implications, students will refine and add to their repertoire of teaching strategies. We will begin by learning how differentiating activities, based upon learning styles and ability, can enhance the learning of each student in a classroom. Students will be engaged in the direct completion of project-based learning in the form of laboratory experiences, lesson building, and cooperative tasks. Direct implementation of current science project-based pedagogy will be the emphasis. Students will apply their understanding of the new methods by creating a series of mini-lessons, typical lessons, and projects that are reflective of their understanding. Teaching science is not just about creating lesson plans and writing labs – it is also about engaging students, maintaining their interest in science and devise a number of ways to motivate them to complete their learning tasks and raise their aspirations. Many classes will begin with sample laboratory experiences and will then progress forward to introduce, explain, and model different methods for instruction, questioning, and assessment; all within the context of product-based inquiry. The course will seek to help pre-service teachers to develop an understanding and appreciation of science. This will hopefully make an impression upon students to acquire knowledge, attitudes, and skills essential to science literacy. Prerequisite(s): ED 204 and ED 231.

ED 318. Teaching Students With Special Needs. 3 Hours.
This course is designed to provide Career and Technical Education (CTE) teachers, educational technicians and teachers-in-training the necessary skills to develop learning environments where all special needs students can be successful. It is built upon the foundations of current legislation, appropriate curricula, assessment modifications and individualized instruction using successful teaching strategies to provide improved levels of success for students with special needs.

ED 319. Methods in Secondary English. 3 Hours.
In this course students learn how to teach reading and writing genres with secondary students. We explore strategies and processes in the English Language Arts while connecting it to literacy across the curriculum. We explore literacy and technology, accommodations and differentiated learning, assessment, selection of literature to serve purposes for reading and writing, issues in the secondary classroom, and models of instruction. We will inquire into certain questions, such as, What methods work best with adolescents? How does technology fit into the classroom? Why is reflection a big deal? How does the English teacher address reading and writing in the content areas? What does being an English teacher mean? You will be both a student in the course, participating in practices, and a teacher, designing and implementing learning sequences. The course objectives address the Common Core, InTASC, and ISTE NETs standards. Prerequisite(s): ED 204 and ED 231.

ED 320. Education Practicum II. 1 Hour.
Education Practica provide classroom experience for university students thinking of becoming teachers. By spending time in an assigned classroom students will shift their perspective from that of a student to that of a teacher. These experiences should be viewed as pre-student teaching opportunities and are designed, in part, to provide university students with the opportunity to interact with a mentor teacher and students in a classroom setting. The extent of involvement with the mentor teacher will depend on his or her needs, the organization of the classroom, and the stage of development of the practicum student. Practicum students have varied backgrounds and experiences. These strengths and experiences should be utilized to enrich the learning opportunities for the students in the classroom and the practicum student. This program is a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for university students seeking a career in teaching. Prerequisite(s): ED 203.

ED 321. Educating Exceptional Students. 3 Hours.
Prepares classroom teachers to successfully educate students with disabilities within the regular classroom setting. While the primary focus is to manage the instructional requirements of students with disabilities, the course incorporates the legal and ethical standards for mainstreaming and the roles of parent advocacy and support groups. Additionally, students become familiar with instructional issues represented by students from culturally, ethnically, and socio-economically diverse populations. Course content also explores the importance of enhancing educational opportunities of diverse learners via procedural due process, diagnostic practices, and development of professional and parent collaboration.

ED 322. PE/Health Practicum II. 1 Hour.
The Practicum courses are one credit courses designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 201 and ED 213 and ED 203.
ED 324. Young Adult Literature. 3 Hours.
This course, organized by trends in young adult literature, offers participants an opportunity to learn more about the young adult novel and other genres, how to select appropriate, high-quality books, how to incorporate it into a traditional classic-based classroom, and how to make the reading of young adult novels relevant to students’ lives. Through reading, discussing, and writing about books in different genres, students explore issues and trends including appropriateness in the classroom, close reading strategies, issues of diverse audiences and subject matter, the young adult and the canon, and literary theory such as reader response. Participants select books of their interest, read class books, and make connections to readings from the professional literature. The course integrates the Common Core and InTASC standards for teachers. It will help teachers find practical ways to integrate quality young adult novels into their curriculum, integrating teaching of literature and content areas, and making literature more accessible for their students. Prerequisite(s): ED 204.

ED 325. Brain Gym. 3 Hours.
This course provides an introduction to educational kinesiology and an overview of Brain Gym movements. Students will also learn a multi-step implementation process for increasing concentration, participation and problem-solving in the classroom. The highly interactive course design encourages the integration of Brain Gym techniques throughout the learning process.

ED 328. Children’s Literature. 3 Hours.
This survey course provides an overview of children’s literature, its genres, authors, ideas for instruction and response, criteria of selection, children’s development, and the teacher as reader. Students will explore ways to bring children to diverse, contemporary children’s literature in the language arts and content areas while at the same time becoming more experienced, insightful, and informed readers of children’s literature. Prerequisite(s): ED 201.

ED 330. Substance Abuse and Prevention. 3 Hours.
Society faces abuse challenges as a result of domestic and global sources of addictive substances. This course offers an opportunity for critical examination of both theory and practice as students analyze available data on substances such as nicotine, caffeine, alcohol, over the counter drugs, prescriptive drugs and illegal drugs. Students also examine the role family, friends, education, the media and/or marketing may play in the decision-making process of individuals. Drug prevention programs and rehabilitative programs are reviewed with video input from professionals. Course content is drawn from videos, interviews, research, case analysis, projects and online discussion. These serve as reflective tools to build the student’s knowledge.

ED 332. Methods in Teaching Writing in the Schools. 3 Hours.
This course is based on the belief that teachers of writing at any grade level teach with greater understanding when they are active writers themselves and when their writing has a place and function in the world. Participants practice in instruction that draws on research on teaching writing, in assessment of writing, and in the teaching of the writing process approach, conducting conferences, modeling, and writing in the content areas with applications in the classroom. Adapting instruction to the development of writers is included. Participants focus on how they, as teachers, solve problems in writing so they support young writers develop their writing. Strategies of instruction are explored through focused lessons addressing Common Core standards and demonstrated during our sessions. Integration of practicum experience and application of course principles and strategies are expected. Prerequisite(s): ED 204 and ED 231.

ED 350. Teaching Elementary and Secondary Health Education. 3 Hours.
This course can help prepare elementary and secondary level health educators with information, classroom management techniques, instructional strategies and appropriate curriculum, as well as provide opportunities for teaching health lessons to peers with peer feedback. Prerequisite(s): ED 201 and ED 213.

ED 352. Emerging Trends In Career and Technical Education. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 380. Curriculum-based Instruction for the CTE Classroom and Shop. 3 Hours.
This course will focus on brain-based learning, strategies to develop student skills as readers, writers, and thinkers, Quadrant D lesson planning, gradual release of responsibility model, and questioning techniques.

ED 381. Introduction to Effective Classroom Management. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 382. Introduction to CTE Classroom Teaching. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 383. E-Portfolio for Teachers. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 389. Educational Psychology. 3 Hours.
The course examines the educational perspectives of K-12 students. Students in the course will incorporate the principles of educational psychology in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. Theories, principles, and issues investigated in this course are cognitive, linguistic, personal, social, emotional & moral development, and students with special needs. There will be an in-depth study of how students learn in the areas of cognitive learning process, construction of knowledge, behavior views of learning, social cognitive learning and motivation. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. This is a third year course. Students will demonstrate their understanding by identifying the principles of educational psychology during visits to their assigned schools. Prerequisite(s): PY 111.
ED 404. Methods in Reading and Language Arts 4-8. 3 Hours.
This course explores research-based reading and language arts practices in teaching students in grades four through eight. The course introduces assessment, curriculum, and instructional strategies that can be adapted for intermediate (GR 4-5) and middle school (GR 6-8) students. The course focuses on current methods to teach and assess reading and language arts include vocabulary, inquiry into essential questions, and content specific reading and writing. With the idea that assessment drives instruction, students practice approaches to teaching reading strategies, language experience, and literature-based explicit reading instruction with a focus on socio-cultural influences. Participants practice the assessment and instruction in an interactive environment where teacher is reader. Students develop professional awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 408. Methods in Reading and Language Arts, PK - 3. 3 Hours.
The course introduces students to current, research-based methods in teaching reading and language arts to children in preschool through grade three. Topics include emergent literacy development, balanced literacy, spelling, oral language, writing, speaking, and listening. With the idea that assessment drives instruction, students will practice using and analyzing data from a variety of assessment tools to plan and deliver instruction in reading and the language arts. Students will also explore how language arts are a result of cultural and social experiences. Students will connect methods and theory of reading and ELA with knowledge of genres in children’s literature with a focus in selection of books and integration in instruction. This course is interactive and gives students the opportunity to practice the methods they learn. Students will develop the skills to guide children’s experiences and learning, and develop professional perspective and awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 409. Methods in Mathematics. 3 Hours.
This course introduces mathematic concepts and problem solving strategies along with real-world applications. Methods emphasize an active learning process in which children engage in guided discovery and problem solving opportunities. Teachers learn to coach youngsters to reflect on their process to clarify ideas for themselves and to share their thoughts with others. Models of engaged learning scenarios will be developed and discussed. Prerequisite(s): ED 204 and ED 231.

ED 410. Assessment in Health and Physical Education. 3 Hours.
The focus of this course will be on measurement and assessment of achievement. Multiple practice opportunities will be provided in designing and implementing measurement/evaluation methods and tests recognizing that the ultimate purpose is to enhance the decision-making process so improvement can be made (Baumgartner, 2007). Both the classroom and lab will be utilized to implement health and physical education tests and evaluation. Students gain skills using assessments within physical education and health education content. Tools for assessing the levels of competency are utilized at each elementary and secondary grade level. Teacher preparation students will apply these assessment tools to current programs.

ED 411. CTE Assessment I. 3 Hours.
This course will provide an introduction to the use of formative, summative and diagnostic assessments. Specific topics will include the appropriate use and design of certification tests as well as reading and math assessments.

ED 415. Methods in Social Studies. 3 Hours.
Methods in teaching Social Studies provide students with an overview of the field of Social Studies, selected issues in the field, and best practice strategies for teaching social studies in the K - 8 classroom. Students will identify important social studies knowledge, skills, and dispositions; investigate how students learn most effectively; and apply this new learning to lesson/unit design and instruction. Curriculum will be aligned to both national and state standards for both social studies and literacy. Prerequisite(s): ED 204 and ED 231.

ED 419. Mentoring Children and Youth. 3 Hours.
Through experience in this course, students will develop a mentoring relationship with either an elementary or middle school student. Mentoring can be an intense process where a positive, adult role model is matched with a youngster who needs assistance with academic efforts and social/behavior issues. This course will provide insight to many issues that surround a youngster’s life. Issues and topics on poverty and education, cross-cultural competencies, tutoring skills, goal setting and violence in schools and society will be addressed.

ED 420. Physical Activity Programming in Youth Development. 3 Hours.
This class will provide a philosophical and practical base for working in youth development programs. This class will discuss the history of youth development programming, the current trends in youth development and the role of physical activity as a tool to better serve youth. This class will focus on programs that serve youth through physical activity, with special emphasis on goals of personal and social responsibility.

ED 421. Evaluating Youth Development Programs. 3 Hours.
Students will become aware of various models for evaluating youth development programs, and become familiar with the rationale and various assumptions for evaluating youth development programs. Students will also understand the various data sources for evaluating youth development programs, and be knowledgeable of the various ways to analyze, interpret, and disseminate data collected in the evaluation process.

ED 422. Educational Studies. 6 Hours.
ED 422 is the capstone experience for education students seeking future employment in a setting other than a traditional classroom. The 90-hour internship is spread over a minimum of twelve weeks and allows students to gain practical experience working with staff, learners, and other members of an agency or organization in a community setting (e.g. municipal recreations departments, public libraries, children’s museums, social service agencies, etc.) During this field experience, students learn about the organization or agency, study the implementation and evaluation of its programming, and design a related project to contribute to the site. The connected on-campus class will provide an opportunity for students to share their experiences and provide peer feedback.

ED 423. PE/Health Practicum III. 1 Hour.
One credit practicum courses are designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 203.
ED 430. Educational Practicum III. 1 Hour.
Education practica provide classroom experiences for future teachers. These experiences are designed, in part, to provide students with the opportunity to interact with a mentor teacher (MT) and pupils in the classroom setting. The extent of involvement with an MT will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. Strengths and experiences gained from practica should enrich the learning in the classroom. Prerequisite(s): ED 203.

ED 440. Disease Prevention & Health Promotion. 3 Hours.
In this course, core competencies regarding disease prevention and health promotion will be obtained, practiced and employed. Students will build upon personal health and wellness skills, and incorporate diverse perspectives in designing and implementing a Health Promotion program.

ED 441. Community Health. 3 Hours.
Community Health encompasses the topics of public health issues, policies and community health services across the lifespan. Students also study global health issues, community health issues and the impact of environment, geographic location and socio-economic status on human health, as well as public policies and health services. In this course, students will research and present a community health education and picture project.

ED 444. Individual Sports & Lifetime Activities. 3 Hours.
This course is designed to provide an informational and experiential overview of pursuits that may be classified as individual sports and lifetime activities. Attention will be paid to what place these activities may have in schools, recreational programs and other programs associated with youth development and learning. The role of lifetime fitness and health will be discussed and explored.

ED 445. Comprehensive School Health. 3 Hours.
This course will focus on the need for comprehensive school health education for students and society. Students will examine the role of the health educator as coordinator of the school health program. National Health Standards will guide the curricula as students learn about policies, procedures and activities designed to promote K-12 healthy living.

ED 446. Elementary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques during the concurrent practicum ED 323 PE/Health Practicum II. Prerequisite(s): ED 201 and ED 213.

ED 447. Secondary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques by conducting lessons during the attached practicum experience. Prerequisite(s): ED 201 and ED 213.

ED 450. Student Teaching/Seminar in Teaching. 15 Hours.
ED 450 is the culminating experience of the Husson Teacher Education Program and occurs after all other coursework and requirements have been completed. It has two required concurrent sections: a sixteen-week student teaching field placement and a weekly capstone seminar in teaching. This dual approach is designed to integrate pedagogy and professional practice to ensure that clear connections are made by student teachers as they strive to become effective educators. The InTASC Model Core Teaching Standards and the National Educational Technology Standards for Teachers NETS-T provide the framework for both the student teaching section and the seminar. ED 450 is viewed as a collaborative undertaking among students, instructors, and supervising teachers.

ED 499. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer advanced courses in education that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

ED 600. Research Methods in Business and Education. 3 Hours.
This course is designed for graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

ED 601. Theoretical Foundations of Learning. 3 Hours.
This is an advanced study of the application of the principles of educational theory and psychology in teaching students PK–12. Theories, principles, and issues investigated in this course include cognitive, linguistic, personal, social, emotional and moral development, the role of educational theory in practice, and students with special needs. Students in the course will incorporate the principles of educational psychology and an array of theoretical frameworks in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. The course includes an in-depth study in the areas of cognitive process, construction of knowledge, behaviorists’ views of learning, social cognition, and motivation. Students will conduct analyses of learning theories in light of this knowledge. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. Emphasis will be on the development of successful academic and social interventions using an inquiry-based approach. Students will demonstrate their understanding by identifying the principles of educational psychology and learning theory in their school setting.

ED 603. Advanced Curriculum and Instruction. 3 Hours.
This graduate level core course is designed to enhance student understanding of curriculum content, design, policy, and instructional strategies through the application of curriculum theory, assessment and technology. Students acquire skills in planning the context for learning utilizing authentic experiences for diverse populations and the promotion of successful academic and social interventions using an inquiry-based approach. Identification and implementation of research-based instructional strategies are examined. Curricula are analyzed using an integrated approach to instruction that promotes grade level competency. Students demonstrate curricula mapping in accordance with Maine standards.
ED 701. Introduction to School Guidance Counseling. 3 Hours.
This course will survey the philosophy, objectives, principles and program of comprehensive developmental school guidance programs at the K-12 level. The course will focus on National and State Models of School Counseling.

ED 702. Advanced Assessment Practices. 3 Hours.
In this advanced assessment course, students will develop an understanding of current trends, issues, and practices in assessment and apply their understanding to classroom, school, and district practices. This core course in the Master of Education program is conducted in seminar format. Students prepare for course meetings and participate in whole group discussions online and in person related to the readings, current practice, experience in assessment, and knowledge of trends and issues, making connections between the theory and classroom, and school-wide practices. Students will create and reflect upon online discussions to analyze the strengths and purposes of assessment instruments, analyze data, evaluate recommendations and interventions based on assessment findings and synthesize the information in communication appropriate to different stakeholders, colleagues, administrators, and families. Students will present practices, findings of research, analyses of assessments in multi-media presentations and develop an e-portfolio documenting the processes of the course, the self-evaluation, and the learning in the course.

ED 705. The Changing Role of the School Counselor. 3 Hours.
This course will review the historical and philosophical bases for school counseling programs, explore traditional roles for the school counselor, and examine the ethical and legal responsibilities of school guidance counselors. Focus will be given to recent applications of contemporary theories in educational settings as well as the role of the counselor in assisting all students in academic, career, and personal/social domains.

ED 706. STEM in the Classroom. 3 Hours.
This course provides the foundations of science, technology, engineering, and math (STEM) education disciplines based upon the Next Generation Science Standards (NGSS) and the Math and ELA Common Core Standards. The approach used will be a multi-disciplinary experiential learning method that will engage participants in scientific and mathematical practices that can be directly applied in the classroom to help learners make connections across curricula. Core topics include STEM pedagogy, the nature of STEM education disciplines, integrative STEM learning, and deepening knowledge within the STEM disciplines. Course objectives are grounded in the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 707. Literacy Across the Curriculum. 3 Hours.
This advanced course explores how literacy, broadly defined as reading, writing, talking, viewing, representing, and listening, can be a tool for thinking and learning in the content areas for all PK-12 students in different school environments of a diverse and globalized society. The course provides opportunity for participants to discuss and practice inquiry-based approaches that support learning and literacy development in the content areas, while integrating technology and instruction and connecting reading and writing. The course includes the genres and texts that teachers might use in the teaching of reading for different purposes. Professional and research literature are included. The workshop/seminar format of the course is interactive and includes lectures and demonstrations as students become more knowledgeable with respect to ethical decision-making, social responsibility, and reflective practice. Class participants will serve as resources, collaborators and teachers through in-class discussions, group work, and projects.

ED 708. Advanced Classroom Management. 3 Hours.
This course is designed to assist the classroom teacher in creating a climate that is safe and conducive to learning for all students in the inclusive classroom setting. Students will expand and apply their knowledge of theory and practical strategies for classroom management and student engagement. Through inquiry based study, learners will gain increased knowledge of effective strategies to implement when dealing with challenging student behaviors. Students will gain advanced skills with which to manage the inclusive classroom and be able to more effectively engage students and parents.

ED 799. Topic/. 1 Hour.
Selected topics are offered centering on the needs and interests of the students and the availability of expert faculty.

ED 809. Integrating Technology into Instruction. 3 Hours.
This course introduces students to a variety of technologies and computer applications that can enhance teaching, assessment, and the learning process. Class sessions and projects involve critically examining the theory and practice of using technologies to augment learning. Course objectives are grounded in the the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 810. Contemporary Issues in Educational Leadership. 3 Hours.
This course provides an overview of formal and informal models of teacher leadership as well as the opportunity for in-depth analyses of relevant topics from the current and past centuries. Students explore emerging trends that address leadership opportunities for teachers and issues related to group dynamics, motivation, communication, ethics, and human relations. Course topics also include educator evaluation, the nationalization of standards and assessment, standards-based education, globalization, diversity, and technology. Skills and strategies for effective leadership are developed, especially those related to organizational change, ethical decision-making, and team building.

ED 868. M.Ed. Capstone. 3 Hours.
Students will complete a supervised experience, thesis, or special project in their area of interest that has been pre-approved by the department. Prerequisite(s): ED 601 and ED 603 and ED 702 and ED 706 and ED 707 and ED 708 and ED 809 and ED 810 and CO 704 and BA 600.

Pathways Certificates in Secondary Education (7-12)

- English
- Life Science
- Physical Science

Husson’s Secondary Education - Teacher Certification programs are designed to prepare individuals who already possess a Bachelor’s degree, preparing them for Grades 7-12 Pathways II Teaching Certification.

Throughout the coursework and classroom experiences, competence is developed as students learn about and apply best instructional practices for secondary level disciplines. This program incorporates both national standards and Maine’s Teaching Standards. It also meets all requirements set forth by the Maine State Department of Education. Students completing the Secondary Teacher Certification program may choose to teach in middle level or high school classrooms, in either the private or public sector.
Certificate in Secondary (grades 7-12) Education - English

Program Curriculum
A bachelor’s degree from an accredited college or university is required. Students must have 24 credits in English.

ED 204 Classroom Management 3
ED 231 Curriculum, Instruction, and Assessment 3
ED 319 Methods in Secondary English 3
ED 321 Educating Exceptional Students 3
ED 324 Young Adult Literature 3
ED 450 Student Teaching/Seminar in Teaching 15
PY 322 Diversity & Multiculturalism 3

English Credits 24
Total Hours 57

Additional Requirements:
Students must show proof of fingerprinting, background check, and passage of PRAXIS CORE I and PRAXIS II at the time of application for Student Teaching - ED 450.

Pathway candidates must have a C+ or better in all education and science content courses.

A minimum of nine (9) credit hours of education courses, including secondary methods courses, must be completed at Husson University.

Additional Recommended courses:
Education Practicum I - ED 310
Technology in Education - ED 307

Courses
ED 201. Phil Foundations of Education. 3 Hours.
An integral component for all education majors, this course is designed to provide a basic understanding of the rewarding, yet challenging, teaching profession. Students broadly explore an overview of the educational field and its philosophical, political, legal, and social foundations. Current issues impacting education in a changing society will be examined. Coursework is intended to stimulate thoughtful reflection as students use information to develop their own beliefs concerning educational issues. Education Students will complete their first 30 hour clinical (ED 203) as part of this course. Students in other majors are not required to complete the Clinical Experience.

ED 202. Methods of Teaching Outdoor and Adventure Education. 3 Hours.
The course is designed to expose students to a variety of outdoor experiences with an emphasis on student participation in the activities. Students will also explore ways to incorporate outdoor in a variety of educational settings. Mastery of certain skills and the methodology employed in presenting these skills will be central to the course. Examples of the types of activities that may be covered through the course include canoeing, hiking, mountain biking, orienteering, camping skills, outdoor games, and an introduction to winter sports.

ED 203. Clinical Experience. 0 Hours.
All Education students are required to complete one 30 clock-hour block of a non-credit clinical observation experience in K-12 schools. This experience is completed as part of ED 201 Philosophical Foundations of Education and is designed to allow students to better understand the profession by observing experienced teachers in classroom settings. Through this experience, future educators will gain an appreciation of what happens “behind the scenes” in schools and other professional settings. Prerequisite(s): ED 201.

ED 204. Classroom Management. 3 Hours.
This course is designed to explore classroom management practices in educational settings. The course is taken concurrently with an education practicum so students will be able to observe and implement the techniques of practicing teachers in the areas of behavior modification, social skills training, and classroom management structures.

ED 208. Skills Activities. 3 Hours.
This course explores the application of learning and performance of motor skills in a variety of activities. Dance, racquet sports, aquatics and track/field will be participatory and allow students to gain experiential opportunities with instruction, drill progression, strategies, equipment and facility preparation and reflection. Instructor and peer feedback will enhance this class, and allow tactical decision-making competencies.

ED 213. Curriculum and Evaluation in Health and Physical Education. 3 Hours.
This course introduces Health and Physical Education majors to curriculum design and policy. Students will explore how to create, design, organize and evaluate a K-12 Health or Physical Education curriculum. Students will also learn how such a curriculum would be implemented and be expected to relate how a curriculum map ensures that all appropriate Maine Learning Results and grade level competencies are included. This course addresses multiple outcomes relating to the curriculum found in InTASC.

ED 215. Teaching Elementary Health Education. 3 Hours.
This course covers the foundation for healthy habits and active lifestyles which are introduced and reinforced during the K-8 experience. Topics that build both self-esteem and character, along with experiential health and physical activities will be examined. The American Association for Health Education and the Maine Learning Results will be used in conjunction with curriculum guides as students design lessons and units in health education.

ED 222. Personal Health & Fitness. 3 Hours.
This course is designed to introduce the health and physical education student to a core of competences to employ at the K-12 teaching levels. Several health topics will be covered including personal fitness, mental health, stress management, nutrition and diet, tobacco, and cardiovascular disease, as well as a variety of fitness and healthy experiences with an emphasis on actual participation in the activities.

ED 223. PE/Health Practicum I. 1 Hour.
The Practicum courses are one credit offerings designed to provide field experience for students enrolled in the three ED methods courses associated with their major. They are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement, most often within a school, secured by the clinical placement supervisor. This course is taken by physical education majors concurrently with ED 446. Prerequisite(s): ED 203.
ED 231. Curriculum, Instruction, and Assessment. 3 Hours.
This course is designed for students in the elementary/secondary education K – 12 programs. It is a general methods course for assessment, curriculum design, development and methods of instruction. This course focuses on the "what to teach", "how to teach", and "planning the context for teaching and learning" with the goal of providing an integrated approach in instruction. Such an integrated approach involves interventions (accommodations and modifications) in the design of instruction to teach all learners. This course ensures that pre-service teachers gain a broad knowledge in the methods of instruction as well as supporting diversity in the classroom. The course presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Prerequisite(s): ED 201.

ED 240. History and Philosophy of Physical Education. 3 Hours.
This course is an introduction to the philosophical and historical principles of health and physical education. It will include an historical overview of these education disciplines and cover current day principles. This course also offers an opportunity for critical examination of both theory and practice in the professions of health and physical education, wellness, sport and fitness.

ED 243. Team Sports/Tech & Strategies. 3 Hours.
Formal physical education, recreational and camp settings include games and strategies. It is the strategies component that enhances participation. Understanding game strategy promotes application of techniques and skills. Games research has also shown that the more strategy participants understand, the greater the chance of participation and satisfaction (Mitchell, S.). Thus tactical problem solving and teaching strategies will be the points of emphasis within a variety of invasion, net/wall, target, and striking/fielding games. Students will have the opportunity to learn skills, drills, techniques and strategies, and practice planning and teaching sport lessons during class.

ED 302. Adapted and Developmentally-Appropriate Physical Education. 3 Hours.
Adapted and developmentally appropriate physical education programs are the art and science of developing, implementing, and monitoring carefully designed instructional programs to meet the unique needs of individuals. Teaching approaches are both task-specific and developmental in nature and the course is designed to enable teachers to successfully address a range of specific needs in the physical education setting. This course is based on authentic and comprehensive assessments to give participants skills necessary for a lifetime of leisure, recreation, and sport experiences to enhance physical fitness, participation and wellness. Prerequisite(s): ED 201 and ED 213 and (ED 232 or ED 447).

ED 307. Technology in Education. 3 Hours.
This course surveys the history and structure of the field of instructional technology, with an emphasis on integrating as an educational tool. Students will experience creative skills and confidence necessary to use mainstream and emerging hardware and software available in most school settings. Prerequisite(s): ED 204 and ED 231.

ED 310. Educational Practicum I. 1 Hour.
ED 310 Education Practicum is the first classroom experience for university students considering the profession of teaching by spending time in an assigned classroom, students will shift their perspective from that of a student to that of a teacher. This experience is designed, in part, to provide students with the opportunity to interact with a mentor teacher and pupils in a classroom setting. The extent of involvement will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. This course is viewed as a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for participating students. Prerequisite(s): ED 203.

ED 314. Assessment Practices. 3 Hours.
Presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Students learn to construct and use paper-and-pencil, alternative, and standardized assessments; analyze objectives; use grading systems; and judge assessment quality.

ED 316. Methods in Science. 3 Hours.
Science education is presented with a constructivist approach. Students become familiar with curricular content, methodology, and instructional planning that stimulates scientific interest and concept formation. Resources for science education will be collected for future. With a constructivist approach in mind, techniques for assessing student inquiry processes are explored. Students also learn ways to use instructional and design technology to enhance lessons. Prerequisite(s): ED 204 and ED 231.

This course offers a hands-on, practical approach that introduces students to a variety of strategies they can directly implement upon entering a position as a 7-12 teacher of science. Concentrating on practical application rather than theoretical implications, students will refine and add to their repertoire of teaching strategies. We will begin by learning how differentiating activities, based upon learning styles and ability, can enhance the learning of each student in a classroom. Students will be engaged in the direct completion of project-based learning in the form of laboratory experiences, lesson building, and cooperative tasks. Direct implementation of current science project-based pedagogy will be the emphasis. Students will apply their understanding of the new methods by creating a series of mini-lessons, typical lessons, and projects that are reflective of their understanding. Teaching science is not just about creating lesson plans and writing labs – it is also about engaging students, maintaining their interested in science and devise a number of ways to motivate them to complete their learning tasks and raise their aspirations. Many classes will begin with sample laboratory experiences and will then progress forward to introduce, explain, and model different methods for instruction, questioning, and assessment; all within the context of product-based inquiry. The course will seek to help pre-service teachers to develop an understanding and appreciation of science. This will hopefully make an impression upon students to acquire knowledge, attitudes, and skills essential to science literacy. Prerequisite(s): ED 231 and ED 204.

ED 318. Teaching Students With Special Needs. 3 Hours.
This course is designed to provide Career and Technical Education (CTE) teachers, educational technicians and teachers-in-training the necessary skills to develop learning environments where all special needs students can be successful. It is built upon the foundations of current legislation, appropriate curricula, assessment modifications and individualized instruction using successful teaching strategies to provide improved levels of success for students with special needs.
ED 319. Methods in Secondary English. 3 Hours.
In this course students learn how to teach reading and writing genres with secondary students. We explore strategies and processes in the English Language Arts while connecting it to literacy across the curriculum. We explore literacy and technology, accommodations and differentiated learning, assessment, selection of literature to serve purposes for reading and writing, issues in the secondary classroom, and models of instruction. We will inquire into certain questions, such as, What methods work best with adolescents? How does technology fit into the classroom? Why is reflection a big deal? How does the English teacher address reading and writing in the content areas? What does being an English teacher mean? You will be both a student in the course, participating in practices, and a teacher, designing and implementing learning sequences. The course objectives address the Common Core, InTASC, and ISTE NETs standards. Prerequisite(s): ED 204 and ED 231.

ED 320. Education Practicum II. 1 Hour.
Education Practica provide classroom experience for university students thinking of becoming teachers. By spending time in an assigned classroom students will shift their perspective from that of a student to that of a teacher. These experiences should be viewed as pre-student teaching opportunities and are designed, in part, to provide university students with the opportunity to interact with a mentor teacher and students in a classroom setting. The extent of involvement with the mentor teacher will depend on his or her needs, the organization of the classroom, and the stage of development of the practicum student. Practicum students have varied backgrounds and experiences. These strengths and experiences should be utilized to enrich the learning opportunities for the students in the classroom and the practicum student. This program is a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for university students seeking a career in teaching. Prerequisite(s): ED 203.

ED 321. Educating Exceptional Students. 3 Hours.
Prepares classroom teachers to successfully educate students with disabilities within the regular classroom setting. While the primary focus is to manage the instructional requirements of students with disabilities, the course incorporates the legal and ethical standards for mainstreaming and the roles of parent advocacy and support groups. Additionally, students become familiar with instructional issues represented by students from culturally, ethnically, and socio-economically diverse populations. Course content also explores the importance of enhancing educational opportunities of diverse learners via procedural due process, diagnostic practices, and development of professional and parent collaboration.

ED 322. PE/Health Practicum II. 1 Hour.
The Practicum courses are one credit courses designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 201 and ED 213 and ED 203.

ED 324. Young Adult Literature. 3 Hours.
This course, organized by trends in young adult literature, offers participants an opportunity to learn more about the young adult novel and other genres, how to select appropriate, high-quality books, how to incorporate it into a traditional classic-based classroom, and how to make the reading of young adult novels relevant to students' lives. Through reading, discussing, and writing about books in different genres, students explore issues and trends including appropriateness in the classroom, close reading strategies, issues of diverse audiences and subject matter, the young adult and the canon, and literary theory such as reader response. Participants select books of their interest, read class books, and make connections to readings from the professional literature. This course integrates the Common Core and InTASC standards for teachers. It will help teachers find practical ways to integrate quality young adult novels into their curriculum, integrating teaching of literature and content areas, and making literature more accessible for their students. Prerequisite(s): ED 201.

ED 325. Brain Gym. 3 Hours.
This course provides an introduction to educational kinesiology and an overview of Brain Gym movements. Students will also learn a multi-step implementation process for increasing concentration, participation and problem-solving in the classroom. The highly interactive course design encourages the integration of Brain Gym techniques throughout the learning process.

ED 328. Children's Literature. 3 Hours.
This survey course provides an overview of children's literature, its genres, authors, ideas for instruction and response, criteria of selection, children's development, and the teacher as reader. Students will explore ways to bring children to diverse, contemporary children's literature in the language arts and content areas while at the same time becoming more experienced, insightful, and informed readers of children's literature. Prerequisite(s): ED 201.

ED 330. Substance Abuse and Prevention. 3 Hours.
Society faces abuse challenges as a result of domestic and global sources of addictive substances. This course offers an opportunity for critical examination of both theory and practice as students analyze available data on substances such as nicotine, caffeine, alcohol, over the counter drugs, prescriptive drugs and illegal drugs. Students also examine the role family, friends, education, the media and/or marketing may play in the decision-making process of individuals. Drug prevention programs and rehabilitative programs are reviewed with video input from professionals. Course content is drawn from videos, interviews, research, case analysis, projects and online discussion. These serve as reflective tools to build the student's knowledge.

ED 332. Methods in Teaching Writing in the Schools. 3 Hours.
This course is based on the belief that teachers of writing at any grade level teach with greater understanding when they are active writers themselves and when their writing has a place and function in the world. Participants practice in instruction that draws on research on teaching writing, in assessment of writing, and in the teaching of the writing process approach, conducting conferences, modeling, and writing in the content areas with applications in the classroom. Adapting instruction to the development of writers is included. Participants focus on how they, as teachers, solve problems in writing so they support young writers develop their writing. Strategies of instruction are explored through focused lessons addressing Common Core standards and demonstrated during our sessions. Integration of practicum experience and application of course principles and strategies are expected. Prerequisite(s): ED 204 and ED 231.
ED 350. Teaching Elementary and Secondary Health Education. 3 Hours. This course can help prepare elementary and secondary level health educators with information, classroom management techniques, instructional strategies and appropriate curriculum, as well as provide opportunities for teaching health lessons to peers with peer feedback. Prerequisite(s): ED 201 and ED 213.

ED 352. Emerging Trends in Career and Technical Education. 3 Hours. This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 380. Curriculum-based Instruction for the CTE Classroom and Shop. 3 Hours. This course will focus on brain-based learning, strategies to develop student skills as readers, writers, and thinkers, Quadrant D lesson planning, gradual release of responsibility model, and questioning techniques.

ED 381. Introduction to Effective Classroom Management. 3 Hours. This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 382. Introduction to CTE Classroom Teaching. 3 Hours. This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 383. E-Portfolio for Teachers. 3 Hours. This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 389. Educational Psychology. 3 Hours. The course examines the educational perspectives of K-12 students. Students in the course will incorporate the principles of educational psychology in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. Theories, principles, and issues investigated in this course are cognitive, linguistic, personal, social, emotional & moral development, and students with special needs. There will be an in depth study of how students learn in the areas of cognitive learning process, construction of knowledge, behavior views of learning, social cognitive learning and motivation. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. This is a third year course. Students will demonstrate their understanding by identifying the principles of educational psychology during visits to their assigned schools. Prerequisite(s): PY 111.

ED 404. Methods in Reading and Language Arts 4-8. 3 Hours. This course explores research-based reading and language arts practices in teaching students in grades four through eight. The course introduces assessment, curriculum, and instructional strategies that can be adapted for intermediate (GR 4-5) and middle school (GR 6-8) students. The course focuses on current methods to teach and assess reading and language arts include vocabulary, inquiry into essential questions, and content specific reading and writing. With the idea that assessment drives instruction, students practice approaches to teaching reading strategies, language experience, and literature-based explicit reading instruction with a focus on socio-cultural influences. Participants practice the assessment and instruction in an interactive environment where teacher is reader. Students develop professional awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 408. Methods in Reading and Language Arts, PK - 3. 3 Hours. The course introduces students to current, research-based methods in teaching reading and language arts to children in preschool through grade three. Topics include emergent literacy development, balanced literacy, spelling, oral language, writing, speaking, and listening. With the idea that assessment drives instruction, students will practice using and analyzing data from a variety of assessment tools to plan and deliver instruction in reading and the language arts. Students will also explore how language arts are a result of cultural and social experiences. Students will connect methods and theory of reading and ELA with knowledge of genres in children’s literature with a focus in selection of books and integration in instruction. This course is interactive and gives students the opportunity to practice the methods they learn. Students will develop the skills to guide children’s experiences and learning, and develop professional perspective and awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 409. Methods in Mathematics. 3 Hours. This course introduces mathematic concepts and problem solving strategies along with real-world applications. Methods emphasize an active learning process in which children engage in guided discovery and problem solving opportunities. Teachers learn to coach youngsters to reflect on their process to clarify ideas for themselves and to share their thoughts with others. Models of engaged learning scenarios will be developed and discussed. Prerequisite(s): ED 204 and ED 231.

ED 410. Assessment in Health and Physical Education. 3 Hours. The focus of this course will be on measurement and assessment of achievement. Multiple practice opportunities will be provided in designing and implementing measurement/evaluation methods and tests recognizing that the ultimate purpose is to enhance the decision-making process so improvement can be made (Baumgartner, 2007). Both the classroom and lab will be utilized to implement health and physical education tests and evaluation. Students gain skills using assessments within physical education and health education content. Tools for assessing the levels of competency are utilized at each elementary and secondary grade level. Teacher preparation students will apply these assessment tools to current programs.

ED 411. CTE Assessment I. 3 Hours. This course will provide an introduction to the use of formative, summative and diagnostic assessments. Specific topics will include the appropriate use and design of certification tests as well as reading and math assessments.
ED 415. Methods in Social Studies. 3 Hours.  
Methods in teaching Social Studies provides students with an overview of the field of Social Studies, selected issues in the field, and best practice strategies for teaching social studies in the K-8 classroom. Students will identify important social studies knowledge, skills, and dispositions; investigate how students learn most effectively; and apply this new learning to lesson/unit design and instruction. Curriculum will be aligned to both national and state standards for both social studies and literacy. Prerequisite(s): ED 204 and ED 231.

ED 419. Mentoring Children and Youth. 3 Hours.  
Through experience in this course, students will develop a mentoring relationship with either an elementary or middle school student. Mentoring can be an intense process where a positive, adult role model is matched with a youngster who needs assistance with academic efforts and social/behavior issues. This course will provide insight to many issues that surround a youngster’s life. Issues and topics on poverty and education, cross-cultural competencies, tutoring skills, goal setting and violence in schools and society will be addressed.

ED 420. Physical Activity Programming in Youth Development. 3 Hours.  
This class will provide a philosophical and practical base for working in youth development programs. This class will discuss the history of youth development programming, the current trends in youth development and the role of physical activity as a tool to better serve youth. This class will focus on programs that serve youth through physical activity, with special emphasis on goals of personal and social responsibility.

ED 421. Evaluating Youth Development Programs. 3 Hours.  
Students will become aware of various models for evaluating youth development programs, and become familiar with the rationale and various assumptions for evaluating youth development programs. Students will also understand the various data sources for evaluating youth development programs, and be knowledgeable of the various ways to analyze, interpret, and disseminate data collected in the evaluation process.

ED 422. Educational Studies. 6 Hours.  
ED 422 is the capstone experience for education students seeking future employment in a setting other than a traditional classroom. The 90-hour internship is spread over a minimum of twelve weeks and allows students to gain practical experience working with staff, learners, and other members of an agency or organization in a community setting (e.g. municipal recreation departments, public libraries, children's museums, social service agencies, etc.) During this field experience, students will learn about the organization or agency, study the implementation and evaluation of its programming, and design a related project to contribute to the site. The connected on-campus class will provide an opportunity for students to share their experiences and provide peer feedback.

ED 423. PE/Health Practicum III. 1 Hour.  
One credit practicum courses are designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 203.

ED 430. Educational Practicum III. 1 Hour.  
Education practica provide classroom experiences for future teachers. These experiences are designed, in part, to provide students with the opportunity to interact with a mentor teacher (MT) and pupils in the classroom setting. The extent of involvement with an MT will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. Strengths and experiences gained from practica should enrich the learning in the classroom. Prerequisite(s): ED 203.

ED 440. Disease Prevention & Health Promotion. 3 Hours.  
In this course, core competencies regarding disease prevention and health promotion will be obtained, practiced and employed. Students will build upon personal health and wellness skills, and incorporate diverse perspectives in designing and implementing a Health Promotion program.

ED 441. Community Health. 3 Hours.  
Community Health encompasses the topics of public health issues, policies and community health services across the lifespan. Students also study global health issues, community health issues and the impact of environment, geographic location and socio-economic status on human health, as well as public policies and health services. In this course, students will research and present a community health education and picture project.

ED 444. Individual Sports & Lifetime Activities. 3 Hours.  
This course is designed to provide an informational and experiential overview of pursuits that may be classified as individual sports and lifetime activities. Attention will be paid to what place these activities may have in schools, recreational programs and other programs associated with youth development and learning. The role of lifetime fitness and health will be discussed and explored.

ED 445. Comprehensive School Health. 3 Hours.  
This course will focus on the need for comprehensive school health education for students and society. Students will examine the role of the health educator as coordinator of the school health program. National Health Standards will guide the curricula as students learn about policies, procedures and activities designed to promote K-12 healthy living.

ED 446. Elementary P.E. Methods. 3 Hours.  
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques during the concurrent practicum. Prerequisite(s): ED 201 and ED 213.

ED 447. Secondary P.E. Methods. 3 Hours.  
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques by conducting lessons during the attached practicum experience. Prerequisite(s): ED 201 and ED 213.
ED 450. Student Teaching/Seminar in Teaching. 15 Hours.
ED 450 is the culminating experience of the Husson Teacher Education Program and occurs after all other coursework and requirements have been completed. It has two required concurrent sections: a sixteen-week student teaching field placement and a weekly capstone seminar in teaching. This dual approach is designed to integrate pedagogy and professional practice to ensure that clear connections are made by student teachers as they strive to become effective educators. The InTASC Model Core Teaching Standards and the National Educational Technology Standards for Teachers NETS-T provide the framework for both the student teaching section and the seminar. ED 450 is viewed as a collaborative undertaking among students, instructors, and supervising teachers.

ED 499. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer advanced courses in education that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

ED 600. Research Methods in Business and Education. 3 Hours.
This course is designed for graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

ED 601. Theoretical Foundations of Learning. 3 Hours.
This is an advanced study of the application of the principles of educational theory and psychology in teaching students PK–12. Theories, principles, and issues investigated in this course include cognitive, linguistic, personal, social, emotional and moral development, the role of educational theory in practice, and students with special needs. Students in the course will incorporate the principles of educational psychology and an array of theoretical frameworks in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. The course includes an in-depth study in the areas of cognitive process, construction of knowledge, behaviorists’ views of learning, social cognition, and motivation. Students will conduct analyses of learning theories in light of this knowledge. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. Emphasis will be on the development of successful academic and social interventions using an inquiry-based approach. Students will demonstrate their understanding by identifying the principles of educational psychology and learning theory in their school setting.

ED 603. Advanced Curriculum and Instruction. 3 Hours.
This graduate level core course is designed to enhance student understanding of curriculum content, design, policy, and instructional strategies through the application of curriculum theory, assessment and technology. Students acquire skills in planning the context for learning utilizing authentic experiences for diverse populations and the promotion of successful academic and social interventions using an inquiry-based approach. Identification and implementation of research-based instructional strategies are examined. Curricula are analyzed using an integrated approach to instruction that promotes grade level competency. Students demonstrate curricula mapping in accordance with Maine standards.

ED 701. Introduction to School Guidance Counseling. 3 Hours.
This course will survey the philosophy, objectives, principles and program of comprehensive developmental school guidance programs at the K-12 level. The course will focus on National and State Models of School Counseling.

ED 702. Advanced Assessment Practices. 3 Hours.
In this advanced assessment course, students will develop an understanding of current trends, issues, and practices in assessment and apply their understanding to classroom, school, and district practices. This course will survey the philosophy, objectives, principles and program of comprehensive developmental school guidance programs at the K-12 level. The course will focus on National and State Models of School Counseling.

ED 705. The Changing Role of the School Counselor. 3 Hours.
This course will survey the philosophy, objectives, principles and program of comprehensive developmental school guidance programs at the K-12 level. The course will focus on National and State Models of School Counseling.

ED 706. STEM in the Classroom. 3 Hours.
This course provides the foundations of science, technology, engineering, and math (STEM) education disciplines based upon the Next Generation Science Standards (NGSS) and the Math and ELA Common Core Standards. The approach used will be a multi-disciplinary experiential learning method that will engage participants in scientific and mathematical practices that can be directly applied in the classroom to help learners make connections across curricula. Core topics include STEM pedagogy, the nature of STEM education disciplines, integrative STEM learning, and deepening knowledge within the STEM disciplines.

ED 707. Literacy Across the Curriculum. 3 Hours.
This advanced course explores how literacy, broadly defined as reading, writing, talking, viewing, representing, and listening, can be a tool for thinking and learning in the content areas for all PK-12 students in different school environments of a diverse and globalized society. The course provides opportunity for participants to discuss and practice inquiry-based approaches that support learning and literacy development in the content areas, while integrating technology and instruction and connecting reading and writing. The course includes the genres and texts that teachers might use in the teaching of reading for different purposes. Professional and research literature are included. The workshop/seminar format of the course is interactive and includes lectures and demonstrations as students become more knowledgeable with respect to ethical decision-making, social responsibility, and reflective practice. Class participants will serve as resources, collaborators and teachers through in-class discussions, group work, and projects.
ED 708. Advanced Classroom Management. 3 Hours.
This course is designed to assist the classroom teacher in creating a climate that is safe and conducive to learning for all students in the inclusive classroom setting. Students will expand and apply their knowledge of theory and practical strategies for classroom management and student engagement. Through inquiry based study, learners will gain increased knowledge of effective strategies to implement when dealing with challenging student behaviors. Students will gain advanced skills with which to manage the inclusive classroom and be able to more effectively engage students and parents.

ED 799. Topic/. 1 Hour.
Selected topics are offered centering on the needs and interests of the students and the availability of expert faculty.

ED 809. Integrating Technology into Instruction. 3 Hours.
This course introduces students to a variety of technologies and computer applications that can enhance teaching, assessment, and the learning process. Class sessions and projects involve critically examining the theory and practice of using technologies to augment learning. Course objectives are grounded in the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 810. Contemporary Issues in Educational Leadership. 3 Hours.
This course provides an overview of formal and informal models of teacher leadership as well as the opportunity for in-depth analyses of relevant topics from the current and past centuries. Students explore emerging trends that address leadership opportunities for teachers and issues related to group dynamics, motivation, communication, ethics, and human relations. Course topics also include educator evaluation, the nationalization of standards and assessment, standards-based education, globalization, diversity, and technology. Skills and strategies for effective leadership are developed, especially those related to organizational change, ethical decision-making, and team building.

ED 868. M.Ed. Capstone. 3 Hours.
Students will complete a supervised experience, thesis, or special project in their area of interest that has been pre-approved by the department. Prerequisite(s): ED 601 and ED 603 and ED 702 and ED 706 and ED 707 and ED 708 and ED 809 and ED 810 and CO 704 and BA 600.

Certificate in Secondary (grades 7-12) Education - Life Science
A bachelor's degree from an accredited college or university is required. Students must also pass PRAXIS I and II before registering for Student Teaching.

Program Curriculum
A bachelor's degree from an accredited college or university is required. Students must also pass PRAXIS I and II before registering for Student Teaching.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<td>ED 204</td>
<td>Classroom Management</td>
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<td>ED 231</td>
<td>Curriculum &amp; Instruction</td>
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<td>ED 317</td>
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<td>ED 450</td>
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<td>PY 322</td>
<td>Diversity &amp; Multiculturalism</td>
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Life Science Credits 24
Total Hours 54

Students must show proof of fingerprinting, background check, and passage of PRAXIS I and II at the time of application for Student Teaching - ED 450.

Pathways candidates must earn a C+ or better in all education and science content courses.

A minimum of nine (9) credit hours of education courses, including secondary methods courses, must be completed at Husson University.

Courses
ED 201. Phil Foundations of Education. 3 Hours.
An integral component for all education majors, this course is designed to provide a basic understanding of the rewarding, yet challenging, teaching profession. Students broadly explore an overview of the educational field and its philosophical, political, legal, and social foundations. Current issues impacting education in a changing society will be examined. Coursework is intended to stimulate thoughtful reflection as students use information to develop their own beliefs concerning educational issues. Education Students will complete their first 30 hour clinical (ED 203) as part of this course. Students in other majors are not required to complete the Clinical Experience.

ED 202. Methods of Teaching Outdoor and Adventure Education. 3 Hours.
The course is designed to expose students to a variety of outdoor experiences with an emphasis on student participation in the activities. Students will also explore ways to incorporate outdoor in a variety of educational settings. Mastery of certain skills and the methodology employed in presenting these skills will be central to the course. Examples of the types of activities that may be covered through the course include canoeing, hiking, mountain biking, orienteering, camping skills, outdoor games, and an introduction to winter sports.

ED 203. Clinical Experience. 0 Hours.
All Education students are required to complete one 30 clock-hour block of a non-credit clinical observation experience in K-12 schools. This experience is completed as part of ED 201 Philosophical Foundations of Education and is designed to allow students to better understand the profession by observing experienced teachers in classroom settings. Through this experience, future educators will gain an appreciation of what happens “behind the scenes” in schools and other professional settings. Prerequisite(s): ED 201.

ED 204. Classroom Management. 3 Hours.
This course is designed to explore classroom management practices in educational settings. The course is taken concurrently with an education practicum so students will be able to observe and implement the techniques of practicing teachers in the areas of behavior modification, social skills training, and classroom management structures.

ED 208. Skills Activities. 3 Hours.
This course explores the application of learning and performance of motor skills in a variety of activities. Dance, racquet sports, aquatics and track/field will be participatory and allow students to gain experiential opportunities with instruction, drill progression, strategies, equipment and facility preparation and reflection. Instructor and peer feedback will enhance this class, and allow tactical decision-making competencies.
ED 213. Curriculum and Evaluation in Health and Physical Education. 3 Hours.
This course introduces Health and Physical Education majors to curriculum design and policy. Students will explore how to create, design, organize and evaluate a K-12 Health or Physical Education curriculum. Students will also learn how such a curriculum would be implemented and be expected to relate how a curriculum map ensures that all appropriate Maine Learning Results and grade level competencies are included. This course addresses multiple outcomes relating to the curriculum found in InTASC.

ED 215. Teaching Elementary Health Education. 3 Hours.
This course covers the foundation for healthy habits and active lifestyles which are introduced and reinforced during the K-8 experience. Topics that build both self-esteem and character, along with experiential health and physical activities will be examined. The American Association for Health Education and the Maine Learning Results will be used in conjunction with curriculum guides as students design lessons and units in health education.

ED 222. Personal Health & Fitness. 3 Hours.
This course is designed to introduce the health and physical education student to a core of competences to employ at the K-12 teaching levels. Several health topics will be covered including personal fitness, mental health, stress management, nutrition and diet, tobacco, and cardiovascular disease, as well as a variety of fitness and healthy experiences with an emphasis on actual participation in the activities.

ED 223. PE/Health Practicum I. 1 Hour.
The Practicum courses are one credit offerings designed to provide field experience for students enrolled in the three ED methods courses associated with their major. They are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement, most often within a school, secured by the clinical placement supervisor. This course is taken by physical education majors concurrently with ED 446. Prerequisite(s): ED 203.

ED 231. Curriculum, Instruction, and Assessment. 3 Hours.
This course is designed for students in the elementary/secondary education K – 12 programs. It is a general methods course for assessment, curriculum design, development and methods of instruction. This course focuses on the "what to teach", "how to teach", and "planning the context for teaching and learning" with the goal of providing an integrated approach in instruction. Such an integrated approach involves interventions (accommodations and modifications) in the design of instruction to teach all learners. This course ensures that pre-service teachers gain a broad knowledge in the methods of instruction as well as supporting diversity in the classroom. The course presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Prerequisite(s): ED 201.

ED 240. History and Philosophy of Physical Education. 3 Hours.
This course is an introduction to the philosophical and historical principles of health and physical education. It will include an historical overview of these education disciplines and cover current day principles. This course also offers an opportunity for critical examination of both theory and practice in the professions of health and physical education, wellness, sport and fitness.

ED 243. Team Sports/Tech & Strategies. 3 Hours.
Formal physical education, recreational and camp settings include games and strategies. It is the strategies component that enhances participation. Understanding game strategy promotes application of techniques and skills. Games research has also shown that the more strategy participants understand, the greater the chance of participation and satisfaction (Mitchell, S.). Thus tactical problem solving and teaching strategies will be the points of emphasis within a variety of invasion, net/wall, target, and striking/fielding games. Students will have the opportunity to learn skills, drills, techniques and strategies, and practice planning and teaching sport lessons during class.

ED 244. Clinical Experience in Health & Physical Education. 3 Hours.
Adapted and developmentally appropriate physical education programs are the art and science of developing, implementing, and monitoring carefully designed instructional programs to meet the unique needs of individuals. Teaching approaches are both task-specific and developmental in nature and the course is designed to enable teachers to successfully address a range of specific needs in the physical education setting. This course is based on authentic and comprehensive assessments to give participants skills necessary for a lifetime of leisure, recreation, and sport experiences to enhance physical fitness, participation and wellness. Prerequisite(s): ED 201 and ED 213 and (ED 232 or ED 447).

ED 307. Technology in Education. 3 Hours.
This course surveys the history and structure of the field of instructional technology, with an emphasis on integrating as an educational tool. Students will experience creative skills and confidence necessary to use mainstream and emerging hardware and software available in most school settings. Prerequisite(s): ED 204 and ED 231.

ED 310. Educational Practicum I. 1 Hour.
ED 310 Education Practicum is the first classroom experience for university students considering the profession of teaching by spending time in an assigned classroom, students will shift their perspective from that of a student to that of a teacher. This experience is designed, in part, to provide students with the opportunity to interact with a mentor teacher and pupils in a classroom setting. The extent of involvement will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. This course is viewed as a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for participating students. Prerequisite(s): ED 203.

ED 314. Assessment Practices. 3 Hours.
Present comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Students learn to construct and use paper-and-pencil, alternative, and standardized assessments; analyze objectives; use grading systems; and judge assessment quality.

ED 316. Methods in Science. 3 Hours.
Science education is presented with a constructivist approach. Students become familiar with curricular content, methodology, and instructional planning that stimulates scientific interest and concept formation. Resources for science education will be collected for future. With a constructivist approach in mind, techniques for assessing student inquiry processes are explored. Students also learn ways to use instructional and design technology to enhance lessons. Prerequisite(s): ED 204 and ED 231.
This course offers a hands-on, practical approach that introduces students to a variety of strategies they can directly implement upon entering a position as a 7-12 teacher of science. Concentrating on practical application rather than theoretical implications, students will refine and add to their repertoire of teaching strategies. We will begin by learning how differentiating activities, based upon learning styles and ability, can enhance the learning of each student in a classroom. Students will be engaged in the direct completion of project-based learning in the form of laboratory experiences, lesson building, and cooperative tasks. Direct implementation of current science project-based pedagogy will be the emphasis. Students will apply their understanding of the new methods by creating a series of mini-lessons, typical lessons, and projects that are reflective of their understanding. Teaching science is not just about creating lesson plans and writing labs – it is also about engaging students, maintaining their interested in science and devise a number of ways to motivate them to complete their learning tasks and raise their aspirations. Many classes will begin with sample laboratory experiences and will then progress forward to introduce, explain, and model different methods for instruction, questioning, and assessment; all within the context of product-based inquiry. The course will seek to help pre-service teachers to develop an understanding and appreciation of science. This will hopefully make an impression upon students to acquire knowledge, attitudes, and skills essential to science literacy. Prerequisite(s): ED 231 and ED 204.

ED 318. Teaching Students With Special Needs. 3 Hours.
This course is designed to provide Career and Technical Education (CTE) teachers, educational technicians and teachers-in-training the necessary skills to develop learning environments where all special needs students can be successful. It is built upon the foundations of current legislation, appropriate curricula, assessment modifications and individualized instruction using successful teaching strategies to provide improved levels of success for students with special needs.

ED 319. Methods in Secondary English. 3 Hours.
In this course students learn how to teach reading and writing genres with secondary students. We explore strategies and processes in the English Language Arts while connecting it to literacy across the curriculum. We explore literacy and technology, accommodations and differentiated learning, assessment, selection of literature to serve purposes for reading and writing, issues in the secondary classroom, and models of instruction. We will inquire into certain questions, such as, What methods work best with adolescents? How does technology fit into the classroom? Why is reflection a big deal? How does the English teacher address reading and writing in the content areas? What does being an English teacher mean? You will be both a student in the course, participating in practices, and a teacher, designing and implementing learning sequences. The course objectives address the Common Core, InTASC, and ISTE NETs standards. Prerequisite(s): ED 204 and ED 231.

ED 320. Education Practicum II. 1 Hour.
Education Practica provide classroom experience for university students thinking of becoming teachers. By spending time in an assigned classroom students will shift their perspective from that of a student to that of a teacher. These experiences should be viewed as pre-student teaching opportunities and are designed, in part, to provide university students with the opportunity to interact with a mentor teacher and students in a classroom setting. The extent of involvement with the mentor teacher will depend on his or her needs, the organization of the classroom, and the stage of development of the practicum student. Practicum students have varied backgrounds and experiences. These strengths and experiences should be utilized to enrich the learning opportunities for the students in the classroom and the practicum student. This program is a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for university students seeking a career in teaching. Prerequisite(s): ED 203.

ED 321. Educating Exceptional Students. 3 Hours.
Prepares classroom teachers to successfully educate students with disabilities within the regular classroom setting. While the primary focus is to manage the instructional requirements of students with disabilities, the course incorporates the legal and ethical standards for mainstreaming and the roles of parent advocacy and support groups. Additionally, students become familiar with instructional issues represented by students from culturally, ethnically, and socio-economically diverse populations. Course content also explores the importance of enhancing educational opportunities of diverse learners via procedural due process, diagnostic practices, and development of professional and parent collaboration.

ED 323. PE/Health Practicum II. 1 Hour.
The Practicum courses are one credit courses designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 201 and ED 213 and ED 203.
ED 324. Young Adult Literature. 3 Hours.
This course, organized by trends in young adult literature, offers participants an opportunity to learn more about the young adult novel and other genres, how to select appropriate, high-quality books, how to incorporate it into a traditional classic-based classroom, and how to make the reading of young adult novels relevant to students' lives. Through reading, discussing, and writing about books in different genres, students explore issues and trends including appropriateness in the classroom, close reading strategies, issues of diverse audiences and subject matter, the young adult and the canon, and literary theory such as reader response. Participants select books of their interest, read class books, and make connections to readings from the professional literature. The course integrates the Common Core and InTASC standards for teachers. It will help teachers find practical ways to integrate quality young adult novels into their curriculum, integrating teaching of literature and content areas, and making literature more accessible for their students. Prerequisite(s): ED 201.

ED 325. Brain Gym. 3 Hours.
This course provides an introduction to educational kinesiology and an overview of Brain Gym movements. Students will also learn a multi-step implementation process for increasing concentration, participation and problem-solving in the classroom. The highly interactive course design encourages the integration of Brain Gym techniques throughout the learning process.

ED 328. Children's Literature. 3 Hours.
This survey course provides an overview of children's literature, its genres, authors, ideas for instruction and response, criteria of selection, children's development, and the teacher as reader. Students will explore ways to bring children to diverse, contemporary children's literature in the language arts and content areas while at the same time becoming more experienced, insightful, and informed readers of children's literature. Prerequisite(s): ED 201.

ED 330. Substance Abuse and Prevention. 3 Hours.
Society faces abuse challenges as a result of domestic and global sources of addictive substances. This course offers an opportunity for critical examination of both theory and practice as students analyze available data on substances such as nicotine, caffeine, alcohol, over the counter drugs, prescriptive drugs and illegal drugs. Students also examine the role family, friends, education, the media and/or marketing may play in the decision-making process of individuals. Drug prevention programs and rehabilitative programs are reviewed with video input from professionals. Course content is drawn from videos, interviews, research, case analysis, projects and online discussion. These serve as reflective tools to build the student's knowledge.

ED 332. Methods in Teaching Writing in the Schools. 3 Hours.
This course is based on the belief that teachers of writing at any grade level teach with greater understanding when they are active writers themselves and when their writing has a place and function in the world. Participants practice in instruction that draws on research on teaching writing, in assessment of writing, and in the teaching of the writing process approach, conducting conferences, modeling, and writing in the content areas with applications in the classroom. Adapting instruction to the development of writers is included. Participants focus on how they, as teachers, solve problems in writing so they support young writers develop their writing. Strategies of instruction are explored through focused lessons addressing Common Core standards and demonstrated during our sessions. Integration of practicum experience and application of course principles and strategies are expected. Prerequisite(s): ED 204 and ED 231.

ED 350. Teaching Elementary and Secondary Health Education. 3 Hours.
This course can help prepare elementary and secondary level health educators with information, classroom management techniques, instructional strategies and appropriate curriculum, as well as provide opportunities for teaching health lessons to peers with peer feedback. Prerequisite(s): ED 201 and ED 213.

ED 352. Emerging Trends In Career and Technical Education. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 380. Curriculum-based Instruction for the CTE Classroom and Shop. 3 Hours.
This course will focus on brain-based learning, strategies to develop student skills as readers, writers, and thinkers, Quadrant D lesson planning, gradual release of responsibility model, and questioning techniques.

ED 381. Introduction to Effective Classroom Management. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 382. Introduction to CTE Classroom Teaching. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 383. E-Portfolio for Teachers. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 389. Educational Psychology. 3 Hours.
The course examines the educational perspectives of K-12 students. Students in the course will incorporate the principles of educational psychology in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. Theories, principles, and issues investigated in this course are cognitive, linguistic, personal, social, emotional & moral development, and students with special needs. There will be an in depth study of how students learn in the areas of cognitive learning process, construction of knowledge, behavior views of learning, social cognitive learning and motivation. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. This is a third year course. Students will demonstrate their understanding by identifying the principles of educational psychology during visits to their assigned schools. Prerequisite(s): PY 111.
ED 404. Methods in Reading and Language Arts 4-8. 3 Hours.
This course explores research-based reading and language arts practices in teaching students in grades four through eight. The course introduces assessment, curriculum, and instructional strategies that can be adapted for intermediate (GR 4-5) and middle school (GR 6-8) students. The course focuses on current methods to teach and assess reading and language arts include vocabulary, inquiry into essential questions, and content specific reading and writing. With the idea that assessment drives instruction, students practice approaches to teaching reading strategies, language experience, and literature-based explicit reading instruction with a focus on socio-cultural influences. Participants practice the assessment and instruction in an interactive environment where teacher is reader. Students develop professional awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 408. Methods in Reading and Language Arts, PK - 3. 3 Hours.
The course introduces students to current, research-based methods in teaching reading and language arts to children in preschool through grade three. Topics include emergent literacy development, balanced literacy, spelling, oral language, writing, speaking, and listening. With the idea that assessment drives instruction, students will practice using and analyzing data from a variety of assessment tools to plan and deliver instruction in reading and the language arts. Students will also explore how language arts are a result of cultural and social experiences. Students will connect methods and theory of reading and ELA with knowledge of genres in children's literature with a focus in selection of books and integration in instruction. This course is interactive and gives students the opportunity to practice the methods they learn. Students will develop the skills to guide children's experiences and learning, and develop professional perspective and awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 409. Methods in Mathematics. 3 Hours.
This course introduces mathematic concepts and problem solving strategies along with real-world applications. Methods emphasize an active learning process in which children engage in guided discovery and problem solving opportunities. Teachers learn to coach youngsters to reflect on their process to clarify ideas for themselves and to share their thoughts with others. Models of engaged learning scenarios will be developed and discussed. Prerequisite(s): ED 204 and ED 231.

ED 410. Assessment in Health and Physical Education. 3 Hours.
The focus of this course will be on measurement and assessment of achievement. Multiple practice opportunities will be provided in designing and implementing measurement/evaluation methods and tests recognizing that the ultimate purpose is to enhance the decision-making process so improvement can be made (Baumgartner, 2007). Both the classroom and lab will be utilized to implement health and physical education tests and evaluation. Students gain skills using assessments within physical education and health education content. Tools for assessing the levels of competency are utilized at each elementary and secondary grade level. Teacher preparation students will apply these assessment tools to current programs.

ED 411. CTE Assessment I. 3 Hours.
This course will provide an introduction to the use of formative, summative and diagnostic assessments. Specific topics will include the appropriate use and design of certification tests as well as reading and math assessments.

ED 415. Methods in Social Studies. 3 Hours.
Methods in teaching Social Studies provides students with an overview of the field of Social Studies, selected issues in the field, and best practice strategies for teaching social studies in the K-8 classroom. Students will identify important social studies knowledge, skills, and dispositions; investigate how students learn most effectively; and apply this new learning to lesson/unit design and instruction. Curriculum will be aligned to both national and state standards for both social studies and literacy. Prerequisite(s): ED 204 and ED 231.

ED 419. Mentoring Children and Youth. 3 Hours.
Through experience in this course, students will develop a mentoring relationship with either an elementary or middle school student. Mentoring can be an intense process where a positive, adult role model is matched with a youngster who needs assistance with academic efforts and social/behavior issues. This course will provide insight to many issues that surround a youngster's life. Issues and topics on poverty and education, cross-cultural competencies, tutoring skills, goal setting and violence in schools and society will be addressed.

ED 420. Physical Activity Programming in Youth Development. 3 Hours.
This class will provide a philosophical and practical base for working in youth development programs. This class will discuss the history of youth development programming, the current trends in youth development and the role of physical activity as a tool to better serve youth. This class will focus on programs that serve youth through physical activity, with special emphasis on goals of personal and social responsibility.

ED 421. Evaluating Youth Development Programs. 3 Hours.
Students will become aware of various models for evaluating youth development programs, and become familiar with the rationale and various assumptions for evaluating youth development programs. Students will also understand the various data sources for evaluating youth development programs, and be knowledgeable of the various ways to analyze, interpret, and disseminate data collected in the evaluation process.

ED 422. Educational Studies. 6 Hours.
ED 422 is the capstone experience for education students seeking future employment in a setting other than a traditional classroom. The 90-hour internship is spread over a minimum of twelve weeks and allows students to gain practical experience working with staff, learners, and other members of an agency or organization in a community setting (e.g. municipal recreations departments, public libraries, children's museums, social service agencies, etc.) During this field experience, students learn about the organization or agency, study the implementation and evaluation of its programming, and design a related project to contribute to the site. The connected on-campus class will provide an opportunity for students to share their experiences and provide peer feedback.

ED 423. PE/Health Practicum III. 1 Hour.
One credit practicum courses are designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 203.
ED 430. Educational Practicum III. 1 Hour.
Education practica provide classroom experiences for future teachers. These experiences are designed, in part, to provide students with the opportunity to interact with a mentor teacher (MT) and pupils in the classroom setting. The extent of involvement with an MT will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. Strengths and experiences gained from practica should enrich the learning in the classroom. Prerequisite(s): ED 203.

ED 440. Disease Prevention & Health Promotion. 3 Hours.
In this course, core competencies regarding disease prevention and health promotion will be obtained, practiced and employed. Students will build upon personal health and wellness skills, and incorporate diverse perspectives in designing and implementing a Health Promotion program.

ED 441. Community Health. 3 Hours.
Community Health encompasses the topics of public health issues, policies and community health services across the lifespan. Students also study global health issues, community health issues and the impact of environment, geographic location and socio-economic status on human health, as well as public policies and health services. In this course, students will research and present a community health education and picture project.

ED 444. Individual Sports & Lifetime Activities. 3 Hours.
This course is designed to provide an informational and experiential overview of pursuits that may be classified as individual sports and lifetime activities. Attention will be paid to what place these activities may have in schools, recreational programs and other programs associated with youth development and learning. The role of lifetime fitness and health will be discussed and explored.

ED 445. Comprehensive School Health. 3 Hours.
This course will focus on the need for comprehensive school health education for students and society. Students will examine the role of the health educator as coordinator of the school health program. National Health Standards will guide the curricula as students learn about policies, procedures and activities designed to promote K-12 healthy living.

ED 446. Elementary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques during the concurrent practicum ED 323 PE/Health Practicum II. Prerequisite(s): ED 201 and ED 213.

ED 447. Secondary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques by conducting lessons during the attached practicum experience. Prerequisite(s): ED 201 and ED 213.

ED 450. Student Teaching/Seminar in Teaching. 15 Hours.
ED 450 is the culminating experience of the Husson Teacher Education Program and occurs after all other coursework and requirements have been completed. It has two required concurrent sections: a sixteen-week student teaching field placement and a weekly capstone seminar in teaching. This dual approach is designed to integrate pedagogy and professional practice to ensure that clear connections are made by student teachers as they strive to become effective educators. The InTASC Model Core Teaching Standards and the National Educational Technology Standards for Teachers NETS-T provide the framework for both the student teaching section and the seminar. ED 450 is viewed as a collaborative undertaking among students, instructors, and supervising teachers.

ED 499. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer advanced courses in education that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

ED 600. Research Methods in Business and Education. 3 Hours.
This course is designed for graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

ED 601. Theoretical Foundations of Learning. 3 Hours.
This is an advanced study of the application of the principles of educational theory and psychology in teaching students PK–12. Theories, principles, and issues investigated in this course include cognitive, linguistic, personal, social, emotional and moral development, the role of educational theory in practice, and students with special needs. Students in the course will incorporate the principles of educational psychology and an array of theoretical frameworks in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. The course includes an in-depth study in the areas of cognitive process, construction of knowledge, behaviorists’ views of learning, social cognition, and motivation. Students will conduct analyses of learning theories in light of this knowledge. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. Emphasis will be on the development of successful academic and social interventions using an inquiry-based approach. Students will demonstrate their understanding by identifying the principles of educational psychology and learning theory in their school setting.

ED 603. Advanced Curriculum and Instruction. 3 Hours.
This graduate level core course is designed to enhance student understanding of curriculum content, design, policy, and instructional strategies through the application of curriculum theory, assessment and technology. Students acquire skills in planning the context for learning utilizing authentic experiences for diverse populations and the promotion of successful academic and social interventions using an inquiry-based approach. Identification and implementation of research-based instructional strategies are examined. Curricula are analyzed using an integrated approach to instruction that promotes grade level competency. Students demonstrate curricula mapping in accordance with Maine standards.
ED 701. Introduction to School Guidance Counseling. 3 Hours.
This course will survey the philosophy, objectives, principles and program of comprehensive developmental school guidance programs at the K-12 level. The course will focus on National and State Models of School Counseling.

ED 702. Advanced Assessment Practices. 3 Hours.
In this advanced assessment course, students will develop an understanding of current trends, issues, and practices in assessment and apply their understanding to classroom, school, and district practices. This core course in the Master of Education program is conducted in seminar format. Students prepare for course meetings and participate in whole group discussions online and in person related to the readings, current practice, experience in assessment, and knowledge of trends and issues, making connections between the theory and classroom, and school-wide practices. Students will create and reflect upon online discussions to analyze the strengths and purposes of assessment instruments, analyze data, evaluate recommendations and interventions based on assessment findings and synthesize the information in communication appropriate to different stakeholders, colleagues, administrators, and families. Students will present practices, findings of research, analyses of assessments in multi-media presentations and develop an e-portfolio documenting the processes of the course, the self-evaluation, and the learning in the course.

ED 705. The Changing Role of the School Counselor. 3 Hours.
This course will review the historical and philosophical bases for school counseling programs, explore traditional roles for the school counselor, and examine the ethical and legal responsibilities of school guidance counselors. Focus will be given to recent applications of contemporary theories in educational settings as well as the role of the counselor in assisting all students in academic, career, and personal/social domains.

ED 706. STEM in the Classroom. 3 Hours.
This course provides the foundations of science, technology, engineering, and math (STEM) education disciplines based upon the Next Generation Science Standards (NGSS) and the Math and ELA Common Core Standards. The approach used will be a multi-disciplinary experiential learning method that will engage participants in scientific and mathematical practices that can be directly applied in the classroom to help learners make connections across curricula. Core topics include STEM pedagogy, the nature of STEM education disciplines, integrative STEM learning, and deepening knowledge within the STEM disciplines. Course objectives are grounded in the the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 707. Literacy Across the Curriculum. 3 Hours.
This advanced course explores how literacy, broadly defined as reading, writing, talking, viewing, representing, and listening, can be a tool for thinking and learning in the content areas for all PK-12 students in different school environments of a diverse and globalized society. The course provides opportunity for participants to discuss and practice inquiry-based approaches that support learning and literacy development in the content areas, while integrating technology and instruction and connecting reading and writing. The course includes the genres and texts that teachers might use in the teaching of reading for different purposes. Professional and research literature are included. The workshop/ seminar format of the course is interactive and includes lectures and demonstrations as students become more knowledgeable with respect to ethical decision-making, social responsibility, and reflective practice. Class participants will serve as resources, collaborators and teachers through in-class discussions, group work, and projects.

ED 708. Advanced Classroom Management. 3 Hours.
This course is designed to assist the classroom teacher in creating a climate that is safe and conducive to learning for all students in the inclusive classroom setting. Students will expand and apply their knowledge of theory and practical strategies for classroom management and student engagement. Through inquiry based study, learners will gain increased knowledge of effective strategies to implement when dealing with challenging student behaviors. Students will gain advanced skills with which to manage the inclusive classroom and be able to more effectively engage students and parents.

ED 799. Topic/. 1 Hour.
Selected topics are offered centering on the needs and interests of the students and the availability of expert faculty.

ED 809. Integrating Technology into Instruction. 3 Hours.
This course introduces students to a variety of technologies and computer applications that can enhance teaching, assessment, and the learning process. Class sessions and projects involve critically examining the theory and practice of using technologies to augment learning. Course objectives are grounded in the the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 810. Contemporary Issues in Educational Leadership. 3 Hours.
This course provides an overview of formal and informal models of teacher leadership as well as the opportunity for in-depth analyses of relevant topics from the current and past centuries. Students explore emerging trends that address leadership opportunities for teachers and issues related to group dynamics, motivation, communication, ethics, and human relations. Course topics also include educator evaluation, the nationalization of standards and assessment, standards-based education, globalization, diversity, and technology. Skills and strategies for effective leadership are developed, especially those related to organizational change, ethical decision-making, and team building.

ED 868. M.Ed. Capstone. 3 Hours.
Students will complete a supervised experience, thesis, or special project in their area of interest that has been pre-approved by the department. Prerequisite(s): ED 601 and ED 603 and ED 702 and ED 706 and ED 707 and ED 708 and ED 809 and ED 810 and CO 704 and BA 600.

Certificate in Secondary (grade 7-12) Education - Physical Science

Program Curriculum
A bachelor’s degree from an accredited college or university is required for entrance into the program.

ED 204 Classroom Management 3
ED 231 Curriculum, Instruction, and Assessment 3
ED 317 Methods in Secondary Science 3
ED 321 Educating Exceptional Students 3
PY 322 Diversity & Multiculturalism 3
Physical Science Credits 24
ED 450 Student Teaching/Seminar in Teaching 15
Total Hours 54

Students must show proof of fingerprinting, background check, and passage of PRAXIS CORE and PRAXIS II at the time of application for Student Teaching - ED 450.
Pathway candidates must have a C+ or better in all education and science content courses.

A minimum of nine (9) credit hours of education courses, including secondary methods courses, must be completed at Husson University.

**Additional Recommended courses:**
- Education Practicum I - ED 310
- Technology in Education - ED 307

**Courses**

**ED 201. Phil Foundations of Education. 3 Hours.**
An integral component for all education majors, this course is designed to provide a basic understanding of the rewarding, yet challenging, teaching profession. Students broadly explore an overview of the educational field and its philosophical, political, legal, and social foundations. Current issues impacting education in a changing society will be examined. Coursework is intended to stimulate thoughtful reflection as students use information to develop their own beliefs concerning educational issues. Education Students will complete their first 30 hour clinical (ED 203) as part of this course. Students in other majors are not required to complete the Clinical Experience.

**ED 202. Methods of Teaching Outdoor and Adventure Education. 3 Hours.**
The course is designed to expose students to a variety of outdoor experiences with an emphasis on student participation in the activities. Students will also explore ways to incorporate outdoor in a variety of educational settings. Mastery of certain skills and the methodology employed in presenting these skills will be central to the course. Examples of the types of activities that may be covered through the course include canoeing, hiking, mountain biking, orienteering, camping skills, outdoor games, and an introduction to winter sports.

**ED 203. Clinical Experience. 0 Hours.**
All Education students are required to complete one 30 clock-hour block of a non-credit clinical observation experience in K-12 schools. This experience is completed as part of ED 201 Philosophical Foundations of Education and is designed to allow students to better understand the profession by observing experienced teachers in classroom settings. Through this experience, future educators will gain an appreciation of what happens “behind the scenes” in schools and other professional settings. Prerequisite(s): ED 201.

**ED 204. Classroom Management. 3 Hours.**
This course is designed to explore classroom management practices in educational settings. The course is taken concurrently with an education practicum so students will be able to observe and implement the techniques of practicing teachers in the areas of behavior modification, social skills training, and classroom management structures.

**ED 208. Skills Activities. 3 Hours.**
This course explores the application of learning and performance of motor skills in a variety of activities. Dance, racquet sports, aquatics and track/field will be participatory and allow students to gain experiential opportunities with instruction, drill progression, strategies, equipment and facility preparation and reflection. Instructor and peer feedback will enhance this class, and allow tactical decision-making competencies.

**ED 213. Curriculum and Evaluation in Health and Physical Education. 3 Hours.**
This course introduces Health and Physical Education majors to curriculum design and policy. Students will explore how to create, design, organize and evaluate a K-12 Health or Physical Education curriculum. Students will also learn how such a curriculum would be implemented and be expected to relate how a curriculum map ensures that all appropriate Maine Learning Results and grade level competencies are included. This course addresses multiple outcomes relating to the curriculum found in InTASC.

**ED 215. Teaching Elementary Health Education. 3 Hours.**
This course is designed to introduce the health and physical education student to a core of competences to employ at the K-12 teaching levels. Several health topics will be covered including personal fitness, mental health, stress management, nutrition and diet, tobacco, and cardiovascular disease, as well as a variety of fitness and healthy experiences with an emphasis on actual participation in the activities.

**ED 222. Personal Health & Fitness. 3 Hours.**
This course covers the foundation for healthy habits and active lifestyles which are introduced and reinforced during the K-8 experience. Topics that build both self-esteem and character, along with experiential health and physical activities will be examined. The American Association for Health Education and the Maine Learning Results will be used in conjunction with curriculum guides as students design lessons and units in health education.

**ED 223. PE/Health Practicum I. 1 Hour.**
The Practicum courses are one credit offerings designed to provide field experience for students enrolled in the three ED methods courses associated with their major. They are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement, most often within a school, secured by the clinical placement supervisor. This course is taken by physical education majors concurrently with ED 446. Prerequisite(s): ED 203.

**ED 231. Curriculum, Instruction, and Assessment. 3 Hours.**
This course is designed for students in the elementary/secondary education K – 12 programs. It is a general methods course for assessment, curriculum design, development and methods of instruction. This course focuses on the "what to teach", "how to teach", and "planning the context for teaching and learning" with the goal of providing an integrated approach in instruction. Such an integrated approach involves interventions (accommodations and modifications) in the design of instruction to teach all learners. This course ensures that pre-service teachers gain a broad knowledge in the methods of instruction as well as supporting diversity in the classroom. The course presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Prerequisite(s): ED 201.

**ED 240. History and Philosophy of Physical Education. 3 Hours.**
This course is an introduction to the philosophical and historical principles of health and physical education. It will include an historical overview of these education disciplines and cover current day principles. This course also offers an opportunity for critical examination of both theory and practice in the professions of health and physical education, wellness, sport and fitness.
ED 243. Team Sports/Tech & Strategies. 3 Hours.
Formal physical education, recreational and camp settings include games and strategies. It is the strategies component that enhances participation. Understanding game strategy promotes application of techniques and skills. Games research has also shown that the more strategy participants understand, the greater the chance of participation and satisfaction (Mitchell, S.). Thus tactical problem solving and teaching strategies will be the points of emphasis within a variety of invasion, net/wall, target, and striking/fielding games. Students will have the opportunity to learn skills, drills, techniques and strategies, and practice planning and teaching sport lessons during class.

ED 302. Adapted and Developmentally-Appropriate Physical Education. 3 Hours.
Adapted and developmentally appropriate physical education programs are the art and science of developing, implementing, and monitoring carefully designed instructional programs to meet the unique needs of individuals. Teaching approaches are both task-specific and developmental in nature and the course is designed to enable teachers to successfully address a range of specific needs in the physical education setting. This course is based on authentic and comprehensive assessments to give participants skills necessary for a lifetime of leisure, recreation, and sport experiences to enhance physical fitness, participation and wellness. Prerequisite(s): ED 201 and ED 213 and (ED 232 or ED 447).

ED 307. Technology in Education. 3 Hours.
This course surveys the history and structure of the field of instructional technology, with an emphasis on integrating as an educational tool. Students will experience creative skills and confidence necessary to use mainstream and emerging hardware and software available in most school settings. Prerequisite(s): ED 204 and ED 231.

ED 310. Educational Practicum I. 1 Hour.
ED 310 Education Practicum is the first classroom experience for university students considering the profession of teaching by spending time in an assigned classroom, students will shift their perspective from that of a student to that of a teacher. This experience is designed, in part, to provide students with the opportunity to interact with a mentor teacher and pupils in a classroom setting. The extent of involvement will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. This course is viewed as a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for participating students. Prerequisite(s): ED 203.

ED 314. Assessment Practices. 3 Hours.
Practices comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Students learn to construct and use paper-and-pencil, alternative, and standardized assessments; analyze objectives; use grading systems; and judge assessment quality.

ED 316. Methods in Science. 3 Hours.
Science education is presented with a constructivist approach. Students become familiar with curricular content, methodology, and instructional planning that stimulates scientific interest and concept formation. Resources for science education will be collected for future. With a constructivist approach in mind, techniques for assessing student inquiry processes are explored. Students also learn ways to use instructional and design technology to enhance lessons. Prerequisite(s): ED 204 and ED 231.

This course offers a hands-on, practical approach that introduces students to a variety of strategies they can directly implement upon entering a position as a 7-12 teacher of science. Concentrating on practical application rather than theoretical implications, students will refine and add to their repertoire of teaching strategies. We will begin by learning how differentiating activities, based upon learning styles and ability, can enhance the learning of each student in a classroom. Students will be engaged in the direct completion of project-based learning in the form of laboratory experiences, lesson building, and cooperative tasks. Direct implementation of current science project-based pedagogy will be the emphasis. Students will apply their understanding of the new methods by creating a series of mini-lessons, typical lessons, and projects that are reflective of their understanding. Teaching science is not just about creating lesson plans and writing labs – it is also about engaging students, maintaining their interest in science and devise a number of ways to motivate them to complete their learning tasks and raise their aspirations. Many classes will begin with sample laboratory experiences and will then progress forward to introduce, explain, and model different methods for instruction, questioning, and assessment; all within the context of product-based inquiry. The course will seek to help pre-service teachers to develop an understanding and appreciation of science. This will hopefully make an impression upon students to acquire knowledge, attitudes, and skills essential to science literacy. Prerequisite(s): ED 231 and ED 204.

ED 318. Teaching Students With Special Needs. 3 Hours.
This course is designed to provide Career and Technical Education (CTE) teachers, educational technicians and teachers-in-training the necessary skills to develop learning environments where all special needs students can be successful. It is built upon the foundations of current legislation, appropriate curricula, assessment modifications and individualized instruction using successful teaching strategies to provide improved levels of success for students with special needs.

ED 319. Methods in Secondary English. 3 Hours.
In this course students learn how to teach reading and writing genres with secondary students. We explore strategies and processes in the English Language Arts while connecting it to literacy across the curriculum. We explore literacy and technology, accommodations and differentiated learning, assessment, selection of literature to serve purposes for reading and writing, issues in the secondary classroom, and models of instruction. We will inquire into certain questions, such as, What methods work best with adolescents? How does technology fit into the classroom? Why is reflection a big deal? How does the English teacher address reading and writing in the content areas? What does being an English teacher mean? You will be both a student in the course, participating in practices, and a teacher, designing and implementing learning sequences. The course objectives address the Common Core, InTASC, and ISTE NETs standards. Prerequisite(s): ED 204 and ED 231.
ED 320. Education Practicum II. 1 Hour.
Education Practica provide classroom experience for university students thinking of becoming teachers. By spending time in an assigned classroom students will shift their perspective from that of a student to that of a teacher. These experiences should be viewed as pre-student teaching opportunities and are designed, in part, to provide university students with the opportunity to interact with a mentor teacher and students in a classroom setting. The extent of involvement with the mentor teacher will depend on his or her needs, the organization of the classroom, and the stage of development of the practicum student. Practicum students have varied backgrounds and experiences. These strengths and experiences should be utilized to enrich the learning opportunities for the students in the classroom and the practicum student. This program is a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for university students seeking a career in teaching. Prerequisite(s): ED 203.

ED 321. Educating Exceptional Students. 3 Hours.
Prepares classroom teachers to successfully educate students with disabilities within the regular classroom setting. While the primary focus is to manage the instructional requirements of students with disabilities, the course incorporates the legal and ethical standards for mainstreaming and the roles of parent advocacy and support groups. Additionally, students become familiar with instructional issues represented by students from culturally, ethnically, and socio-economically diverse populations. Course content also explores the importance of enhancing educational opportunities of diverse learners via procedural due process, diagnostic practices, and development of professional and parent collaboration. Prerequisite(s): ED 202.

ED 323. PE/Health Practicum II. 1 Hour.
The Practicum courses are one credit courses designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 201 and ED 213 and ED 203.

ED 324. Young Adult Literature. 3 Hours.
This course, organized by trends in young adult literature, offers participants an opportunity to learn more about the young adult novel and other genres, how to select appropriate, high-quality books, how to incorporate it into a traditional classic-based classroom, and how to make the reading of young adult novels relevant to students' lives. Through reading, discussing, and writing about books in different genres, students explore issues and trends including appropriateness in the classroom, close reading strategies, issues of diverse audiences and subject matter, the young adult and the canon, and literary theory such as reader response. Participants select books of their interest, read class books, and make connections to readings from the professional literature. The course integrates the Common Core and InTASC standards for teachers. It will help teachers find practical ways to integrate quality young adult novels into their curriculum, integrating teaching of literature and content areas, and making literature more accessible for their students. Prerequisite(s): ED 201.

ED 325. Brain Gym. 3 Hours.
This course provides an introduction to educational kinesiology and an overview of Brain Gym movements. Students will also learn a multi-step implementation process for increasing concentration, participation and problem-solving in the classroom. The highly interactive course design encourages the integration of Brain Gym techniques throughout the learning process.

ED 328. Children's Literature. 3 Hours.
This survey course provides an overview of children's literature, its genres, authors, ideas for instruction and response, criteria of selection, children's development, and the teacher as reader. Students will explore ways to bring children to diverse, contemporary children's literature in the language arts and content areas while at the same time becoming more experienced, insightful, and informed readers of children's literature. Prerequisite(s): ED 201.

ED 330. Substance Abuse and Prevention. 3 Hours.
Society faces abuse challenges as a result of domestic and global sources of addictive substances. This course offers an opportunity for critical examination of both theory and practice as students analyze available data on substances such as nicotine, caffeine, alcohol, over the counter drugs, prescriptive drugs and illegal drugs. Students also examine the role family, friends, education, the media and/or marketing may play in the decision-making process of individuals. Drug prevention programs and rehabilitative programs are reviewed with video input from professionals. Course content is drawn from videos, interviews, research, case analysis, projects and online discussion. These serve as reflective tools to build the student's knowledge.

ED 332. Methods in Teaching Writing in the Schools. 3 Hours.
This course is based on the belief that teachers of writing at any grade level teach with greater understanding when they are active writers themselves and when their writing has a place and function in the world. Participants practice in instruction that draws on research on teaching writing, in assessment of writing, and in the teaching of the writing process approach, conducting conferences, modeling, and writing in the content areas with applications in the classroom. Adapting instruction to the development of writers is included. Participants focus on how they, as teachers, solve problems in writing so they support young writers develop their writing. Strategies of instruction are explored through focused lessons addressing Common Core standards and demonstrated during our sessions. Integration of practicum experience and application of course principles and strategies are expected. Prerequisite(s): ED 204 and ED 231.
ED 350. Teaching Elementary and Secondary Health Education. 3 Hours.
This course can help prepare elementary and secondary level health
educators with information, classroom management techniques,
instructional strategies and appropriate curriculum, as well as provide
opportunities for teaching health lessons to peers with peer feedback.
Prerequisite(s): ED 201 and ED 213.

ED 352. Emerging Trends in Career and Technical Education. 3 Hours.
This course is designed to provide the participant an overview of current
events, issues, and policies aligned to Career and Technical Education
(CTE) from a National, regional, and local perspective. The design of the
course will ask students to be reflective about their school, classroom,
and personal challenges regarding their involvement in Career and
Technical Education.

ED 380. Curriculum-based Instruction for the CTE Classroom and Shop. 3
Hours.
This course will focus on brain-based learning, strategies to develop
student skills as readers, writers, and thinkers, Quadrant D lesson
planning, gradual release of responsibility model, and questioning
techniques.

ED 381. Introduction to Effective Classroom Management. 3 Hours.
This course is designed to provide the participant an overview of current
events, issues, and policies aligned to Career and Technical Education
(CTE) from a National, regional, and local perspective. The design of the
course will ask students to be reflective about their school, classroom,
and personal challenges regarding their involvement in Career and
Technical Education.

ED 382. Introduction to CTE Classroom Teaching. 3 Hours.
This course is designed to provide the participant an overview of current
events, issues, and policies aligned to Career and Technical Education
(CTE) from a National, regional, and local perspective. The design of the
course will ask students to be reflective about their school, classroom,
and personal challenges regarding their involvement in Career and
Technical Education.

ED 383. E-Portfolio for Teachers. 3 Hours.
This course is designed to provide the participant an overview of current
events, issues, and policies aligned to Career and Technical Education
(CTE) from a National, regional, and local perspective. The design of the
course will ask students to be reflective about their school, classroom,
and personal challenges regarding their involvement in Career and
Technical Education.

ED 389. Educational Psychology. 3 Hours.
The course examines the educational perspectives of K-12 students.
Students in the course will incorporate the principles of educational
psychology in a variety of classroom settings and decision-making
processes. Authentic case studies will be used to analyze the practical
applications of these principles in teaching and learning situations.
Theories, principles, and issues investigated in this course are cognitive,
linguistic, personal, social, emotional & moral development, and students
with special needs. There will be an in depth study of how students learn
in the areas of cognitive learning process, construction of knowledge,
behavior views of learning, social cognitive learning and motivation.
Instructional processes will be examined in relation to instructional
strategies, student interactions, and learning assessment. This is a third
year course. Students will demonstrate their understanding by identifying
the principles of educational psychology during visits to their assigned
schools. Prerequisite(s): PY 111.

ED 404. Methods in Reading and Language Arts 4-8. 3 Hours.
This course explores research-based reading and language arts
practices in teaching students in grades four through eight. The course
introduces assessment, curriculum, and instructional strategies that
can be adapted for intermediate (GR 4-5) and middle school (GR 6-8)
students. The course focuses on current methods to teach and assess
reading and language arts include vocabulary, inquiry into essential
questions, and content specific reading and writing. With the idea
that assessment drives instruction, students practice approaches to
teaching reading strategies, language experience, and literature-based
explicit reading instruction with a focus on socio-cultural influences.
Participants practice the assessment and instruction in an interactive
environment where teacher is reader. Students develop professional
awareness by becoming acquainted with resources available to teachers.
Prerequisite(s): ED 204 and ED 231.

ED 408. Methods in Reading and Language Arts, PK - 3. 3 Hours.
The course introduces students to current, research-based methods
in teaching reading and language arts to children in preschool through
grade three. Topics include emergent literacy development, balanced
literacy, spelling, oral language, writing, speaking, and listening. With
the idea that assessment drives instruction, students will practice using
and analyzing data from a variety of assessment tools to plan and
deliver instruction in reading and the language arts. Students will also
explore how language arts are a result of cultural and social experiences.
Students will connect methods and theory of reading and ELA with
knowledge of genres in children’s literature with a focus in selection of
books and integration in instruction. This course is interactive and gives
students the opportunity to practice the methods they learn. Students
will develop the skills to guide children’s experiences and learning,
and develop professional perspective and awareness by becoming
acquainted with resources available to teachers. Prerequisite(s): ED 204
and ED 231.

ED 409. Methods in Mathematics. 3 Hours.
This course introduces mathematic concepts and problem solving
strategies along with real-world applications. Methods emphasize an
active learning process in which children engage in guided discovery
and problem solving opportunities. Teachers learn to coach youngsters
to reflect on their process to clarify ideas for themselves and to share
their thoughts with others. Models of engaged learning scenarios will be
developed and discussed. Prerequisite(s): ED 204 and ED 231.

ED 410. Assessment in Health and Physical Education. 3 Hours.
The focus of this course will be on measurement and assessment
of achievement. Multiple practice opportunities will be provided in
designing and implementing measurement/evaluation methods and
tests recognizing that the ultimate purpose is to enhance the decision-
making process so improvement can be made (Baumgartner, 2007). Both
the classroom and lab will be utilized to implement health and physical
education tests and evaluation. Students gain skills using assessments
within physical education and health education content. Tools for
assessing the levels of competency are utilized at each elementary and
secondary grade level. Teacher preparation students will apply these
assessment tools to current programs.

ED 411. CTE Assessment I. 3 Hours.
This course will provide an introduction to the use of formative,
summative and diagnostic assessments. Specific topics will include the
appropriate use and design of certification tests as well as reading and
math assessments.
ED 415. Methods in Social Studies. 3 Hours.
Methods in teaching Social Studies provides students with an overview of the field of Social Studies, selected issues in the field, and best practice strategies for teaching social studies in the K-8 classroom. Students will identify important social studies knowledge, skills, and dispositions; investigate how students learn most effectively; and apply this new learning to lesson/unit design and instruction. Curriculum will be aligned to both national and state standards for both social studies and literacy. Prerequisite(s): ED 204 and ED 231.

ED 419. Mentoring Children and Youth. 3 Hours.
Through experience in this course, students will develop a mentoring relationship with either an elementary or middle school student. Mentoring can be an intense process where a positive, adult role model is matched with a youngster who needs assistance with academic efforts and social/behavior issues. This course will provide insight to many issues that surround a youngster’s life. Issues and topics on poverty and education, cross-cultural competencies, tutoring skills, goal setting and violence in schools and society will be addressed.

ED 420. Physical Activity Programming in Youth Development. 3 Hours.
This class will provide a philosophical and practical base for working in youth development programs. This class will discuss the history of youth development programming, the current trends in youth development and the role of physical activity as a tool to better serve youth. This class will focus on programs that serve youth through physical activity, with special emphasis on goals of personal and social responsibility.

ED 421. Evaluating Youth Development Programs. 3 Hours.
Students will become aware of various models for evaluating youth development programs, and become familiar with the rationale and various assumptions for evaluating youth development programs. Students will also understand the various data sources for evaluating youth development programs, and be knowledgeable of the various ways to analyze, interpret, and disseminate data collected in the evaluation process.

ED 422. Educational Studies. 6 Hours.
ED 422 is the capstone experience for education students seeking future employment in a setting other than a traditional classroom. The 90-hour internship is spread over a minimum of twelve weeks and allows students to gain practical experience working with staff, learners, and other members of an agency or organization in a community setting (e.g. municipal recreation departments, public libraries, children’s museums, social service agencies, etc.) During this field experience, students learn about the organization or agency, study the implementation and evaluation of its programming, and design a related project to contribute to the site. The connected on-campus class will provide an opportunity for students to share their experiences and provide peer feedback.

ED 423. PE/Health Practicum III. 1 Hour.
One credit practicum courses are designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students are expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 203.

ED 430. Educational Practicum III. 1 Hour.
Education practica provide classroom experiences for future teachers. These experiences are designed, in part, to provide students with the opportunity to interact with a mentor teacher (MT) and pupils in the classroom setting. The extent of involvement with an MT will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. Strengths and experiences gained from practica should enrich the learning in the classroom. Prerequisite(s): ED 203.

ED 440. Disease Prevention & Health Promotion. 3 Hours.
In this course, core competencies regarding disease prevention and health promotion will be obtained, practiced and employed. Students will build upon personal health and wellness skills, and incorporate diverse perspectives in designing and implementing a Health Promotion program.

ED 441. Community Health. 3 Hours.
Community Health encompasses the topics of public health issues, policies and community health services across the lifespan. Students also study global health issues, community health issues and the impact of environment, geographic location and socio-economic status on human health, as well as public policies and health services. In this course, students will research and present a community health education and picture project.

ED 444. Individual Sports & Lifetime Activities. 3 Hours.
This course is designed to provide an informational and experiential overview of pursuits that may be classified as individual sports and lifetime activities. Attention will be paid to what place these activities may have in schools, recreational programs and other programs associated with youth development and learning. The role of lifetime fitness and health will be discussed and explored.

ED 445. Comprehensive School Health. 3 Hours.
This course will focus on the need for comprehensive school health education for students and society. Students will examine the role of the health educator as coordinator of the school health program. National Health Standards will guide the curricula as students learn about policies, procedures and activities designed to promote K-12 healthy living.

ED 446. Elementary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques during the concurrent practicum ED 323 PE/Health Practicum II. Prerequisite(s): ED 201 and ED 213.

ED 447. Secondary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques by conducting lessons during the attached practicum experience. Prerequisite(s): ED 201 and ED 213.
ED 450. Student Teaching/Seminar in Teaching. 15 Hours.
ED 450 is the culminating experience of the Husson Teacher Education Program and occurs after all other coursework and requirements have been completed. It has two required concurrent sections: a sixteen-week student teaching field placement and a weekly capstone seminar in teaching. This dual approach is designed to integrate pedagogy and professional practice to ensure that clear connections are made by student teachers as they strive to become effective educators. The InTASC Model Core Teaching Standards and the National Educational Technology Standards for Teachers NETS-T provide the framework for both the student teaching section and the seminar. ED 450 is viewed as a collaborative undertaking among students, instructors, and supervising teachers.

ED 499. Topic/ 1-3 Hour.
This course is intended to provide the opportunity to offer advanced courses in education that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

ED 600. Research Methods in Business and Education. 3 Hours.
This course is designed for graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

ED 601. Theoretical Foundations of Learning. 3 Hours.
This is an advanced study of the application of the principles of educational theory and psychology in teaching students PK–12. Theories, principles, and issues investigated in this course include cognitive, linguistic, personal, social, emotional and moral development, the role of educational theory in practice, and students with special needs. Students in the course will incorporate the principles of educational psychology and an array of theoretical frameworks in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. The course includes an in-depth study in the areas of cognitive process, construction of knowledge, behaviorists’ views of learning, social cognition, and motivation. Students will conduct analyses of learning theories in light of this knowledge. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. Emphasis will be on the development of successful academic and social interventions using an inquiry-based approach. Students will demonstrate their understanding by identifying the principles of educational psychology and learning theory in their school setting.

ED 603. Advanced Curriculum and Instruction. 3 Hours.
This graduate level core course is designed to enhance student understanding of curriculum content, design, policy, and instructional strategies through the application of curriculum theory, assessment and technology. Students acquire skills in planning the context for learning utilizing authentic experiences for diverse populations and the promotion of successful academic and social interventions using an inquiry-based approach. Identification and implementation of research-based instructional strategies are examined. Curricula are analyzed using an integrated approach to instruction that promotes grade level competency. Students demonstrate curricula mapping in accordance with Maine standards.

ED 701. Introduction to School Guidance Counseling. 3 Hours.
This course will survey the philosophy, objectives, principles and program of comprehensive developmental school guidance programs at the K-12 level. The course will focus on National and State Models of School Counseling.

ED 702. Advanced Assessment Practices. 3 Hours.
In this advanced assessment course, students will develop an understanding of current trends, issues, and practices in assessment and apply their understanding to classroom, school, and district practices. This core course in the Master of Education program is conducted in seminar format. Students prepare for course meetings and participate in whole group discussions online and in person related to the readings, current practice, experience in assessment, and knowledge of trends and issues, making connections between the theory and classroom, and school-wide practices. Students will create and reflect upon online discussions to analyze the strengths and purposes of assessment instruments, analyze data, evaluate recommendations and interventions based on assessment findings and synthesize the information in communication appropriate to different stakeholders, colleagues, administrators, and families. Students will present practices, findings of research, analyses of assessments in multi-media presentations and develop an e-portfolio documenting the processes of the course, the self-evaluation, and the learning in the course.

ED 705. The Changing Role of the School Counselor. 3 Hours.
This course will review the historical and philosophical bases for school counseling programs, explore traditional roles for the school counselor, and examine the ethical and legal responsibilities of school guidance counselors. Focus will be given to recent applications of contemporary theories in educational settings as well as the role of the counselor in assisting all students in academic, career, and personal/social domains.

ED 706. STEM in the Classroom. 3 Hours.
This course provides the foundations of science, technology, engineering, and math (STEM) education disciplines based upon the Next Generation Science Standards (NGSS) and the Math and ELA Common Core Standards. The approach used will be a multi-disciplinary experiential learning method that will engage participants in scientific and mathematical practices that can be directly applied in the classroom to help learners make connections across curricula. Core topics include STEM pedagogy, the nature of STEM education disciplines, integrative STEM learning, and deepening knowledge within the STEM disciplines. Course objectives are grounded in the the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 707. Literacy Across the Curriculum. 3 Hours.
This advanced course explores how literacy, broadly defined as reading, writing, talking, viewing, representing, and listening, can be a tool for thinking and learning in the content areas for all PK-12 students in different school environments of a diverse and globalized society. The course provides opportunity for participants to discuss and practice inquiry-based approaches that support learning and literacy development in the content areas, while integrating technology and instruction and connecting reading and writing. The course includes the genres and texts that teachers might use in the teaching of reading for different purposes. Professional and research literature are included. The workshop/seminar format of the course is interactive and includes lectures and demonstrations as students become more knowledgeable with respect to ethical decision-making, social responsibility, and reflective practice. Class participants will serve as resources, collaborators and teachers through in-class discussions, group work, and projects.
ED 708. Advanced Classroom Management. 3 Hours.
This course is designed to assist the classroom teacher in creating a climate that is safe and conducive to learning for all students in the inclusive classroom setting. Students will expand and apply their knowledge of theory and practical strategies for classroom management and student engagement. Through inquiry based study, learners will gain increased knowledge of effective strategies to implement when dealing with challenging student behaviors. Students will gain advanced skills with which to manage the inclusive classroom and be able to more effectively engage students and parents.

ED 799. Topic/. 1 Hour.
Selected topics are offered centering on the needs and interests of the students and the availability of expert faculty.

ED 809. Integrating Technology into Instruction. 3 Hours.
This course introduces students to a variety of technologies and computer applications that can enhance teaching, assessment, and the learning process. Class sessions and projects involve critically examining the theory and practice of using technologies to augment learning. Course objectives are grounded in the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 810. Contemporary Issues in Educational Leadership. 3 Hours.
This course provides an overview of formal and informal models of teacher leadership as well as the opportunity for in-depth analyses of relevant topics from the current and past centuries. Students explore emerging trends that address leadership opportunities for teachers and issues related to group dynamics, motivation, communication, ethics, and human relations. Course topics also include educator evaluation, the nationalization of standards and assessment, standards-based education, globalization, diversity, and technology. Skills and strategies for effective leadership are developed, especially those related to organizational change, ethical decision-making, and team building.

ED 868. M.Ed. Capstone. 3 Hours.
Students will complete a supervised experience, thesis, or special project in their area of interest that has been pre-approved by the department. Prerequisite(s): ED 601 and ED 603 and ED 702 and ED 706 and ED 707 and ED 708 and ED 809 and ED 810 and CO 704 and BA 600.

Undergraduate Program in Nursing

The Husson University/Eastern Maine Medical Center Nursing Program brings together two institutions that share a commitment to excellence in teaching and to the relevance of practical experience. Graduates of the program are prepared to enter a wide variety of practice settings as beginning professional nurses. Potential settings for practice include all areas of hospital nursing, ranging from critical care to newborn nursery, as well as community health, clinic, psychiatric, and long term care settings. Baccalaureate degree graduates also are prepared to pursue specialized nursing study at the master’s degree level.

The program provides a strong base in the arts and sciences, both as a theoretical foundation for nursing practice and as a component of a well-rounded education. Clinical experience in nursing is integrated throughout the program of study. The nursing faculty are proficient in their theoretical knowledge and active in their respective clinical areas, providing students with role models for excellence in patient care.

A state-of-the-art learning resource laboratory located on the University campus allows students to have extensive practice in developing and refining critical-thinking and psychomotor skills. High-fidelity and hybrid simulation opportunities provide valuable active-learning in a safe practice environment for all students throughout the program. The goal of all learning experiences is to prepare professional nurses who, upon graduation, are theoretically knowledgeable, clinically competent, and compassionate care providers.

Throughout the program, emphasis is placed on building upon the student’s past learning experience. In keeping with overall University policies, transfer, CLEP and proficiency examination options are available to students who have completed appropriate educational experiences prior to entering the program. Part-time alternatives for working students who wish to pursue a baccalaureate degree are available.

Vision, Mission and Philosophy

Vision
The School of Nursing will be an innovative leader in educating nurses who are caring, competent and committed to individual and global health.

Mission
The School of Nursing provides leadership in nursing and healthcare through thoughtful innovation in healing, teaching, and discovery.

We achieve this career preparation by supporting and emphasizing:

• Clinical excellence
• Critical thinking
• Student-centered learning
• Experiential learning
• Holistic and compassionate care
• Self-reflection
• Leadership
• Interprofessional collaboration
• Transformative curricula

Philosophy

The School of Nursing faculty believes that education provides students with opportunities to develop habits of critical and reflective thought and expert clinical judgment. This type of intellectual development can best be attained in an innovative and transformative teaching-learning environment that fosters sharing of knowledge, skills, and attitudes as well as scholarship. The faculty and students comprise a community of learners with the teacher as facilitator and the students responsible for their own learning.

Admissions Policies

Admissions Policies for Undergraduate Nursing Program

The admissions requirements for the Undergraduate Nursing Program include:

• Graduation from an approved high school or credentials indicating equivalent preparation.
• SAT combined score of at least 1400 (or ACT equivalent); students with lower SAT scores must have a high school average of at least 89 (GPA 3.3)
• High school average of at least 86 (GPA 3.0)
• Completion of the following high school subjects with a grade of B or better
  • Four years of English
  • Two years of mathematics, including algebra 1 and 2
Students who do not meet the admissions criteria for the Nursing Program may apply for undeclared status and submit a Change of Major request at the end of the first academic year. It is recommended that students take courses from the freshman level program of study. There are a limited number of positions for change of major students and there is no guarantee of admission.

**Essential Qualifications Policy**

Students in the nursing program must possess the essential qualifications to perform the skills and behaviors required of a professional nurse. Therefore, all nursing students must possess the following essential qualifications to meet admission, progression, and graduation requirements:

- See, hear, touch, smell, and distinguish colors when assessing patients
- Communicate orally and in writing with clarity, accuracy, and timeliness
- Express own ideas and feelings clearly and demonstrate a willingness and ability to give and receive feedback
- Possess motor skills sufficient to perform the full range of required client care activities in a safe and effective manner
- Provide patient care to all patient populations in all settings
- Evaluate and apply information and engage in critical thinking in the classroom and clinical setting
- Demonstrate emotional stability to function effectively under stress and to adapt to a rapidly changing environment
- Maintain mature, sensitive, and effective relationships with patients, faculty, staff and other professionals
- Possess attributes that include compassion, empathy, altruism, integrity, honesty, responsibility, and tolerance
- Meet legal and ethical requirements of any clinical site including background check

**Change of Major to Undergraduate Nursing Program**

Students may apply for a change of major after completing two semesters of academic work. To be considered for internal transfer students must have a GPA of at least 3.3. Students interested in the nursing major must submit a Change of Major form along with an essay that describes their rationale for selecting the profession of nursing and the potential strengths they would bring to the profession. The change of major process is competitive and students with the highest potential for success are selected. Admission is based on space available. An interview may be required. Students must meet the Essential Qualifications.

**External Transfers to the Nursing Undergraduate Nursing Program**

To be considered for external transfer, applicants must have a GPA of at least 3.3. Applicants must submit an essay that describes their rationale for selecting the profession of nursing and the potential strengths they would bring to the profession. Two references from professors and/or employers are required. For transfer credit, each course must be approved as comparable to courses offered by Husson University and the Nursing Program. Grades of C or above (C+ or above for core science and nursing courses) will be considered for transfer credit. Applicants must meet the Essential Qualifications Standard.

**Criteria for Progression in the Undergraduate Nursing Program**

To progress within the nursing program the student must maintain a cumulative GPA of 3.0 and a minimum grade of C+ in all nursing and core science courses. A student who does not meet this standard for either a nursing didactic course or its associated clinical must repeat both. A student who receives less than a C+ in any nursing or science course may repeat the course only one time. If the student receives a grade of less than C+ for the repeat course or receives grades less than C+ in two nursing or science courses in one semester, the student may be dismissed from the program.

At the completion of each semester (in January and May), all nursing students’ records are reviewed for compliance with the progression criteria. Students who do not meet the criteria are referred to the SON Admissions & Progression committee and notified as to whether they will be required to engage in remedial action or are being dismissed from the program. Students must continue to meet the Essential Requirements Standard.

**Husson University School of Nursing Technical Standards**

The Baccalaureate of Science in Nursing (BSN) or Masters of Science in Nursing (MSN) degrees awarded by Husson University School of Nursing attests that the BSN or MSN graduate has acquired a broad base of knowledge, skills and abilities, for safe and competent practice as a professional nurse or advance practice nurse. Nursing education requires that the accumulation of evidence-based knowledge be accompanied by the simultaneous acquisition of technical skills, professional attitudes and professional behaviors. In addition to specific teaching clinical sites requirements, the following technical requirements have been adopted by the Husson University School of Nursing programs as requirements for progression within, and graduation from the BSN or MSN programs. In signing the student handbook, the student is attesting to and agrees to abide with the following:

**Emotional Requirements**: Students must have sufficient emotional stability to perform under stress produced by both academic study and the necessity of performing nursing in simulated and real patient situations while being observed by faculty, peers, clinical educators, and others. Students need to have the endurance to adapt to a physically and emotionally demanding program. Students must tolerate moderate personal stress levels to achieve success while adhering to the professional standards and requirements of the nursing program.

The skills essential to being a student nurse and ultimately, a nurse, include the following: Able to critically reason, and adapt to varying pressures, stress and changes, especially those in unpredictable crises and emergencies. Students must be able to demonstrate self-control, patience, and tolerance. Students must be able to accept feedback and instruction. Emotional stability is required to be part of a positive learning environment, in respectful patient care and teaching, and with communication with peers, faculty, health care team, patients and families. Sensitivity and compassion is required in meeting the needs of all patients (geriatric, children, etc.). Patient’s comfort, privacy and confidentiality must be maintained.

**Cognitive Requirements**: The student must exhibit cognitive skills necessary for problem solving, clinical reasoning, and judgment. Students must integrate a variety of material with increasing complexity.
presented throughout the curriculum including presentations, class discussions, interviews and assessments, and reading from textbooks, journals, and medical records. Students must be able to identify and respond accurately to factual information as well as subtle non-verbal cues of mood, temperament, and gestures provided by others. Students must be attentive and be able to focus during class and clinical experiences to fully participate in the learning environment.

**Social Requirements:** The student must have appropriate social skills for forming and maintaining relationships with a variety of people including faculty, peers, clinical instructors, patients and their families/significant others. Students must demonstrate the ability to participate as an effective group member. Flexibility and maturity in all interactions is required for this program. Verbal and non-verbal communications and interactions must be respectful, civil and professional in manner, demeanor and tone.

**Communication Requirements:** Students must be able to communicate in written and oral English effectively with faculty, peers and patients in the classroom, clinical setting and community. Communication skills include oral speech, reading and writing in order to be able to complete written and oral assignments.

**Physical Requirements:**

- **Vision:** Able to assess patient’s health status using visual inspection and observation to detect changes in physical appearance, contour, and color. Able to accurately read labels on medications and calibration and monitoring devices (i.e. syringes, manometers and other monitoring; able to read and create written communication/charting and policies.
- **Depth perception and fine motor skills:** Able to recognize objects that have depth, height and width, such as needed to describe wounds, etc. Able to perform gross and fine motor skills such as what is needed to insert medical supplies and medication into the body (such an indwelling urinary catheters and injections). Able to write and type accurately and clearly on all required assignments, and patient records.
- **Hearing:** Able to hear within normal range the spoken word, auditory monitoring devices (such as stethoscope) as well as hear mechanical alarms.
- **Speech:** Able to communicate verbally in an understandable manner using the English language to communicate with patient/family and health care team. Able to provide patient specific teaching.
- **Walking:** Able to walk and use stairs while in the clinical area.
- **Standing:** Able to stand for prolonged periods of time while in the clinical area.
- **Sitting:** Able to be seated in class, computer lab, clinical labs, in clinical conferences as well as during charting in the clinical area.
- **Lifting/Carrying:** Able to lift and carry an average of 10-50 pounds such as medical supplies. Required to lift, transfer, and move patients in the nursing lab and clinical areas. Effectively assist patients in the rehabilitation process of ambulation, stair climbing, and transferring techniques.
- **Tactile Sensation:** Able to detect condition and changes of the body by using the fingers and hands to touch. Able to feel vibrations, pulses and skin temperature.
- **Pushing/Pulling:** Able to pull, push, position and transfer patients. Able to perform cardiopulmonary resuscitation (CPR) such as with chest percussions, etc.

- **Bending/Reaching/Twisting/Turning and Stretching:** Able to reach, stoop, bend, kneel, crouch and other motions that are required when bathing patients, changing beds and using medical equipment.

**Health and Safety Requirements:** Students must display good self-awareness of personal health practices and hygiene. They must understand the importance of good personal health habits and prevention of disease/infection control. They must display an awareness of personal issues and report any that would potentially interfere with their ability to completely care for others.

The nursing student may not pose a risk to the health and safety to themselves or others in the school, clinical area, or at any Husson University sanctioned event/activities. The student must always protect self and others from exposure to body fluids, and communicable diseases by using the education and training provided in labs and the clinical areas. The student, in a professional manner, must be able to tolerate unpleasant events as those found in accidents, injuries, illness and death.

**Reasonable Accommodation**

It is the policy of Husson University, School of Nursing, to provide reasonable accommodation to qualified students with a disability so they can meet these essential requirements in accordance with the Rehabilitation Act of 1973 and the Americans with Disability Act of 1990. Whether or not a requested accommodation is reasonable will be determined on an individual basis. Determining what is a reasonable accommodation is an interactive process, which the candidate must initiate with the Director of Nursing who can be reached at (207) 941-7058 or brawng@husson.edu and with the Dean of Students who can be reached at (207) 992-1934 or wilsonbarkers@husson.edu.

**TOEFL Examinations**

International students will be required to take the TOEFL examination. A minimum score of 550 is strongly recommended. Students wishing to transfer credits awarded at a foreign college or university need to submit a World Education Service evaluation of credits. Additional information about World Education Service is available online at www.WES.org (http://www.WES.org)

**Courses**

**NU 100. Professional Concepts in Nursing. 3 Hours.**

The major focus of this course is on preparing students for the rigorous nursing curriculum. Topics include the essence of baccalaureate nursing and the curriculum design. Also included are discussions aimed to enhance student success, including self assessment and identification of learning styles. The major concepts of this nursing course will provide a framework for the individual’s program of study. They include, but are not limited to, critical thinking, the nursing process, teaching/learning, and an introduction to ethical and legal concerns in the nursing profession.
NU 208. Health Assessment. 4 Hours.
The emphasis of this course is on the health assessment of an adult. Evidence-based health promotion and disease prevention goals, risk assessment, and client education are highlighted. In the classroom and clinical laboratory, the student will learn to gather subjective and objective data about a client’s health status utilizing face-to-face interviews and physical examination techniques, as well as by making use of a digital clinical experience. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222.

NU 211. Nursing Intervention I. 3 Hours.
This course introduces concepts of patient care and basic nursing interventions used in caring for individuals throughout the lifespan. Learners will use the classroom and skills laboratory to gain beginning competence in nursing theory, nursing process, basic nursing skills, therapeutic communication, and critical thinking. Students will also develop an awareness of diverse cultural beliefs and values in relation to health care. A major focus will be on the nurse’s role in the safe delivery of care. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222 and SC 180 and SL 180 and NU 100 and (MS 141 or MS 180 or MS 181).

NU 212. Nursing Intervention II. 4 Hours.
This course is the second half of NU 211 and focuses on knowledge and skills that are fundamental to nursing care throughout the lifespan and regardless of disease entity. Using the classroom, lab, and clinical placements, learners will demonstrate competence in the application of the nursing process in the planning and delivery of nursing care. Themes of growth and development, cultural diversity, evidence-based practice, and critical thinking will be threaded throughout. Skills and knowledge learned in this course are foundational to learning throughout the rest of the curriculum. Prerequisite(s): NU 211.

NU 214. Pharmacology. 3 Hours.
This course builds upon students’ knowledge of anatomy, physiology, chemistry and the nursing process. It is designed to provide the knowledge required for the safe administration of drugs and teaching with patients across the life span. Actions, therapeutic uses, interactions and side effects of major drug classifications, as well as nursing responsibilities related to drug administration to patients across the life span are examined. Prerequisite(s): NU 211.

NU 299. Topic. 1 Hour.
Selected topics in nursing are considered. The course enhances students’ knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 315. Child Health. 5 Hours.
This course addresses the care of ill children and their families. Adaptation theory will be used as the theoretical framework for nursing assessments, interventions, and evaluations. The nursing process is applied relative to this population. This course encompasses diagnostic and therapeutic techniques. Clinical opportunities are provided in the acute care setting. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234.

NU 320. Nursing Research. 3 Hours.
Students will understand the basic concepts, processes, and applications of quantitative and qualitative research. Students will analyze the role and implication of nursing research and research within other disciplines on the nursing profession. Prerequisite(s): MS 132.

NU 322. Adult/Family Health I. 5 Hours.
This course facilitates the integration of knowledge and skills acquired from previous courses. The emphasis is on understanding the nurse’s role in uncomplicated acute and chronic illness with predictable outcomes within changing practice environments across the spectrum of health and illness. In a learner-centered classroom and simulation environment, analytical and experiential learning activities are provided which encourage active participation in demonstrating clinical reasoning and judgment in meeting the health care needs of clients/family. The goal is for the learner to be able to approach client care conceptually, so that care is designed with a focus on prioritization and solid understanding of rationales. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 333 and SC 234.

NU 323. Adult/Family Health II. 5 Hours.
This course facilitates students’ integration of knowledge gained from previous courses, and expands students’ knowledge from previous learning experiences. Theoretical and conceptual models and related research provide the foundation for expanding health assessment and clinical practice skills. Analytical and experiential learning activities are provided which encourage active participation in demonstrating decision-making skills and judgment in meeting the health care needs of clients/family. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234 and NU 322.

NU 324. Maternal and Newborn Nursing. 5 Hours.
The focus of this course is the childbearing family. Concepts related to preconception issues, pregnancy, the fetus/newborn, and the post delivery family are presented. Physiologic, social, and cultural issues, as they relate to the childbearing family, are included. Clinical experiences occur in a variety of settings, including inpatient, educational, and community settings. Prerequisite(s): SC 233 and SC 234 and SC 241 and NU 208 and NU 211 and NU 212 and NU 214.

NU 412. Community Health. 5 Hours.
This course builds upon the student’s broad base of knowledge in the natural and social sciences, humanities, and previous nursing content. Attention is directed toward assessment of biopsychosocial stressors of the individual, family, group, and community and their adaptation to changes in the environment. Prerequisite(s): NU 322 and NU 323 and NU 324 and NU 320 and NU 315.

NU 422. Community Mental Health. 5 Hours.
This course focuses on behaviors, which occur when individuals, families, and groups in the community are unable to cope effectively with acute and chronic biopsychosocial and cultural stressors. Relevant theories and theoretical formulations are used in order to promote an understanding of individual, family, group, and community dynamics. Within the framework of the nursing process, self-knowledge and intervention skills are developed which allow the student to assist individuals, families, and groups in their adaptation to internal and external stressors. Prerequisite(s): NU 320 and NU 322 and NU 323 and NU 324 and NU 315.
NU 424. Adult / Family Health III. 3 Hours.
This course is the last in a sequence of adult health. It is designed to integrate and expand previous learning, clinical and leadership experiences of the student. Students will participate in scenarios that require them to critically analyze and apply research, theories and educational models of teaching/learning processes. Clinical practice provides the opportunity to synthesize knowledge and demonstrate diagnostic reasoning, critical decision-making and delegation. Engaged ethical and clinical reasoning occurs with student’s involvement in the management of adult, family, and groups in complex clinical health care situations with expert nurse partners and faculty. This partnership creates a way to understand and guide analytical and experiential learning. These clinical partnerships take place in a variety of clinical settings. Prerequisite(s): NU 322 and NU 323.

NU 425. Nursing Senior Capstone. 1-2 Hour.
The capstone course is an opportunity for the student to demonstrate that he or she has achieved the terminal outcomes of the Husson/EMMC Baccalaureate Nursing Program. The capstone promotes connection between knowledge, skills, and attitudes learned in both general education and nursing courses. This course is student centered and student directed and will facilitate the graduate’s transition to the professional world. Prerequisite(s): NU 315 and NU 320 and NU 322 and NU 324.

NU 426. Policy Leadership and Management in Nursing. 3 Hours.
This course provides a conceptual and practical basis for examining professional nursing leadership roles. Emphasis is placed on accountability in regulated systems, management of complex organizations, and principles of advocacy aimed at the promotion of health and quality health systems. Prerequisite(s): College Level=Senior.

NU 431. Wound Management. 3 Hours.
Focus is on utilization of the Nursing Process in the provision of care to clients with chronic wounds. Emphasis is placed on client/family education and the use of evidence-based practice in wound management. Prerequisite(s): NU 208 and NU 212.

NU 432. Caring, Spirituality & Culture. 3 Hours.
This course is designed to provide the undergraduate nursing student with a working knowledge of how the concepts of caring, culture and spirituality influence health status and health related behaviors. The focus of the course is to explore these concepts, their meanings and implications, and to utilize the concepts when providing or planning holistic nursing care for diverse clients, families, groups, and communities.

NU 433. Gerontological Nursing. 3 Hours.
Course is to address the professional nursing role in providing and coordinating health care for the elderly population. Content provided is to address physical, emotional, social and spiritual needs of older adults. The nursing process will identify individual and family issues for professional nurse to serve as a conduit for skills and information to promote successful aging. Prerequisite(s): NU 208 and NU 212.

NU 435. History of Women’s Health. 3 Hours.
An elective course that explores the progression of the women’s health movement in the U.S. from the 1800’s to present day. Ideas about women’s bodies as an entity of wellness and illness in the context of medicine and the feminist movement will be discussed and researched in this seminar-type class. The student will gain an understanding of the struggles as well as the accomplishments of important historical figures and their concepts. Traditional women healers from lay to professional will be researched for an understanding of how women receive health care in 2008. Race, ethnicity, disability, sexuality and class will be examined looking at individual perspectives of health and care. Prerequisite(s): NU 208 and NU 212.

NU 441. Role Transition to BSN. 3 Hours.
In this course, students examine the transition of the Registered Nurse (RN) to the professional role of pursing an advanced degree at the baccalaureate or graduate level. As the entry course for the RN-to-BSN program, students are provided with networking and mentoring opportunities with peers and faculty. Professional bases for nursing practice, critical abilities for today’s professional nurse, and role of continuous quality improvement and safety in healthcare systems are explored. This course is offered in a hybrid format.

NU 442. Health Informatics & Technology. 3 Hours.
In this course, students explore the changing technology environment and its potential impact on the delivery of quality, safe patient care. The course combines knowledge of nursing, computers and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: (a) technology’s impact on nursing work flow, (b) legal and ethical considerations associated with select technology, and (c) the impact of technology on the changing role of the nurse. This course is offered in a hybrid format.

NU 443. Quality Improvement in Healthcare Systems. 3 Hours.
In this course, students are introduced to competencies necessary for studying clinical microsystems and examining their influence on patient safety, satisfaction, and other clinical outcomes. Students will apply: (a) quality improvement assessment tools and models within a microsystem, (b) continuous quality improvement theory, (c) evidence-based practice, (d) performance improvement methods, and (e) the development of team-based problem solving and resolution. This course is offered in a hybrid format.

NU 444. BSN Capstone Practice (with 42 Practicum Hours). 3 Hours.
This is an integrative scholarly experience in the RN-to-BSN program of study. Students will focus on synthesis and integration of complex concepts relevant to their scope of practice, and leadership and management skills in complex organizational environments. Emphasis is placed on the application of leadership principles through an evidence-based capstone project. This course is offered in a hybrid format.

NU 499. Topic/. 1-3 Hour.
Selected topics in nursing are considered. The course enhances students’ knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.
NU 700. Theories and Roles for Advanced Nursing Practice. 3 Hours.
This course is designed to provide an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. The importance of the role of the Advanced Practice Nurse in Interprofessional Collaboration is also explored. Emphasis is placed on the relevant historic, current and future practice issues inherent in the varied aspects of advanced practice nursing. The course also examines legislative issues and trends at both state and national levels, as they relate to the effective and appropriate role of advanced practice nurses within our rapidly changing healthcare system.

NU 701. Theories for Advanced Nursing Practice. 2 Hours.
This course provides an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. These theories reflect important contributions from both the nursing profession and non-nursing disciplines. The course provides a historical perspective and analysis of nursing theorists from Nightingale to emerging theorists and includes an introduction to theories fundamental to advanced practice nursing, such as role theory and family nursing theory.

NU 702. Advanced Pharmacotherapeutics. 3 Hours.
This course builds upon undergraduate understanding of pharmacological principles and agents by preparing students to evaluate and prescribe medications for common acute and chronic health problems seen in the primary care setting. Students will examine the regulatory aspects of drug administration and prescription from the perspective of advanced nursing practice. The focal point of the class will be the development of clinical decision-making skills essential to safe and effective pharmacologic intervention. Current concepts in pharmacologic therapies as part of the treatment of commonly encountered health problems will be stressed. The importance of collaboration between Advanced Practice Nurses and Pharmacy colleagues will be addressed, particularly in regard to patient safety and treatment efficacy. Prerequisite(s): NU 700 and NU 706.

NU 703. Roles for Advanced Nursing Practice. 2 Hours.
This course provides an in-depth analysis of the role of the advanced practice nurse. That knowledge is needed to conceptualize and identify with relevant historic, current and future practice issues inherent in the role. Both state and national legislation and trends are addressed, as they relate to the effective and appropriate use of advanced practice nurses within the rapidly changing healthcare system.

NU 704. Advanced Health Assessment. 3 Hours.
The focus of this course is the assessment of total health status of adult patients. The course is designed to enable the student to develop diagnostic reasoning skills and to utilize a regional approach to physical examination. Instruction builds upon the health assessment skills of the experienced RN/BSN and includes a laboratory practicum that provides the student with opportunities to apply new knowledge and practice in the areas of physical examination. Students will perform complete physical exams on each other and standardized patients – obtaining health histories, performing physical examinations and documenting findings. Along the way, students will learn more about the importance of providing high-quality care that is culturally competent, the process of developing a list of Differential Diagnoses and appropriate ordering of diagnostics. Prerequisite(s): NU 700 and NU 706.

NU 705. Advanced Psychopharmacology. 3 Hours.
This course reviews the application of pharmacotherapeutic principles to psychiatric disorders across the lifespan. Major class of medications include antidepressants, mood stabilizers, psychostimulants, antipsychotic medications, anxiolytics and off label use. Students review in detail the indications, contraindications, side effects and adverse reactions and drug interactions. In addition, the course addresses the use of herbal remedies, homeopathy and diet. The course places special emphasis on the applications of psychopharmacology to clinical case studies across the lifespan, including children, adolescents, adults, and geriatric populations. Prerequisite(s): NU 700 and NU 702 and NU 706 and NU 707.

NU 706. Advanced Pathophysiology. 3 Hours.
This course examines the reaction of the body to disease throughout the lifespan. Using a conceptual approach that is designed to integrate knowledge from basic and clinical sciences, it focuses on alterations in biological processes which affect the body’s dynamic equilibrium. Alterations at the cellular and organ level are presented and include genetic, metabolic, infectious, immunologic, degenerative, and neoplastic processes. Clinical problems will be developed and explored to facilitate the acquisition of critical thinking, problem-solving and evaluation skills needed by practitioners in the management of clients with chronic and acute health problems.

NU 707. Neurobiology. 3 Hours.
This course focuses on the study of brain, mind and behavior and examines the neuroanatomical, neurophysiological, and biochemical foundations of cognition, mood, emotion, affect, and behavior and the interactions among them. It takes into consideration both internal and external influences across a person’s life span. Included is an overview of brain functioning and mechanisms of neurotransmission, genetics, the effects of other body systems such as the endocrine and immune systems, temperament, and the environment. Prerequisite(s): NU 706.

NU 710. Nursing Research. 3 Hours.
This course explores the principles and uses of the research process in Advanced Practice Nursing. The graduate nursing student will become an active participant in the research experience and be prepared to develop, write and present a research proposal. Content will focus on evidence-based practice, understanding the role of a nurse practitioner as researcher, and the development of a research proposal that will be the foundation and beginning process of their scholarly project. Students are strongly encouraged to develop a proposal that includes interprofessional collaboration. Prerequisite(s): NU 700.

NU 722. Adv Mental Hlth Asmt Across the Lifespan (168 Clinical Hrs). 5 Hours.
This course is designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.
NU 740. Public Health Policy Issues and Challenges. 3 Hours.
This course is designed to provide the graduate student with an opportunity to explore and evaluate the political process, fiscal policies, and their impact on public health and the health care system. The use of sociopolitical and ethical frameworks are interwoven with policy development. Opportunities are provided for students to critique public policy and determine how the behavior of health professional's impact governmental decisions and regulatory processes. Students will explore legislative processes, state/federal policies, and analyze current legislative and policy issues.

NU 799. Special Topics in Nursing. 1-3 Hour.
Selected topics in nursing are offered under the guidance of graduate faculty. The course enhances students knowledge of advanced practice nursing, building on previous knowledge of nursing and healthcare in today's complex and rapidly changing healthcare system. This course may be used as an elective in the student's program of study and may be taken more than once as long as different topics are taken.

NU 801. Adv Mntl Hlth Assment Across the Lifespan (168 Clinical Hrs). 5 Hours.
NU 801 is a hybrid course designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 802. Family Health II -- Adult-Gero Health (168 Internship Hours). 6 Hours.
This course explores relevant practice issues in the health care of adults and families. Primary focus is on the assessment of acute and chronic health problems experienced by this population, as well as health promotion/disease prevention activities. The precepted internship experience gives students an opportunity to provide primary care to adults of any age. In the course, students continue to further explore the interprofessional collaborative role in both the classroom and clinical setting. Prerequisite(s): NU 700 and NU 702 and NU 704.

NU 806. Family Health IV--Integrating Primary Care (168 Intern. Hrs.). 6 Hours.
This is the culminating internship course in the program. The focus is on synthesizing the knowledge and clinical management skills from previous courses in preparation for the transition from graduate student to novice nurse practitioner. The course emphasizes the importance of integrating patient care by collaborating with other healthcare providers particularly in regard to improving patient safety and health outcomes. Students take part in seminars that allow them to thoroughly explore both clinical and non-clinical issues frequently noted in primary care. At the same time, students become familiar with the newest clinical guidelines for disorders most commonly seen in primary care. Information is provided and discussed in four on-campus/virtual sessions, weekly Journal Club requirements and will culminate with the presentation of Capstone projects. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 802 and NU 807 and NU 808.

NU 807. Family Health I -- Pediatrics (168 Internship Hours). 6 Hours.
The focus of this course explores theories and practice of health care for children from infancy through adolescence within a context of family health care. The course will focus on health promotion and acute and chronic illness conditions experienced by these childbearing and childrearing families. The course will focus on health-illness issues experienced by this population in underserved rural and urban areas. The clinical practicum experience will provide the advanced practice nursing student with clinical experience in assessing, planning, and managing care for families in these age groups at a variety of clinical sites. Opportunities will be available in both the classroom and clinical setting to further explore the roles inherent to the advanced practice nurse who provides primary health care to these clients. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 808. Family Health III -- Women's Health (168 Internship Hours). 6 Hours.
This course explores the theories and practice of healthcare for women within the context of the family. It also focuses on health promotion and acute or chronic illness that may be experienced particularly by childbearing families. The internship will present the family nurse practitioner student with precepted experiential learning in assessing, planning and managing women’s health from a primary care perspective. Particular emphasis will be placed on the importance of collaborating with other health care professionals in order to achieve patient safety and optimal health outcomes. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 809. Adv Women's Health Assessment II (w/168 Intern Hrs). 6 Hours.
Building on previous study in women’s health, students begin to critically examine and address concepts and research related to issues of women from adolescence to menopause. This course focuses on the advanced practice nursing knowledge necessary for the comprehensive assessment and health management of individuals and families during the childbearing years. Particular attention will be paid to the pre-, ante- and post-natal periods. Concepts include human sexuality, disease prevention, pregnancy/childbirth and urogynecological issues as well as the social and political determinants of health. Prerequisite(s): NU 808.

NU 810. Family Psychiatric Nursing I (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner’s role in the delivery of mental health care for mentally ill individuals and families across the lifespan. Students examine the theories relevant to family therapy and individual psychotherapy, as well as psychopharmacological and alternative treatments. Practicum experiences focus on student application of family interventions and therapy as well as individual interventions and psychotherapy in acute and chronic care settings. Populations include children, adolescents, adults, and geriatric individuals. Prerequisite(s): NU 702 and NU 705 and NU 710 and NU 722.

NU 811. Women's Health Iss - A Public Health Approach to Care & Pol. 3 Hours.
Consistent with the emerging definitions of women's health and women's health practice, this course examines a full range of health issues unique to women. Women’s health specialization includes prevention, the societal and political determinants of health, patient education and reconceptualization of women’s relationships with health care providers. Health assessment and maintenance as well as disease identification and treatment will be presented on a wellness to illness continuum. Students develop a woman-centered holistic approach to care—the central concept in women’s health nursing practice.
NU 812. Family Psychiatric Nursing II (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner’s role in the delivery of primary mental health care across the lifespan. The course emphasizes promoting optimum mental health, preventing mental illness, health maintenance, and preventing new occurrences of mental illness. Students examine theories relevant to group therapy interventions and consultation, as well as psychopharmacological and alternative treatments. The advanced practice nursing student will develop interventions and programs that reduce stressors and maximize mental health for individuals of all ages and communities. Prerequisite(s): NU 810.

NU 813. Advanced Women’s Health Assessment III (w/168 Intern Hrs). 6 Hours.
Students in this course will examine the unique issues and needs of the peri- and post-menopausal woman. There will be significant focus on the issues of healthy aging, sexuality, urogynecologic and hormonal changes affecting women as they move beyond the childbearing years. Prerequisite(s): NU 808 and NU 809.

NU 814. Family Psychiatric Nursing III (210 Clinical Hours). 6 Hours.
In this course, the psychiatric nurse practitioner’s role is further developed as the learner integrates psychiatric theory and practice skills while intervening with the chronic mentally ill in rural settings. Emphasis is on integration of psychotherapeutic, pharmacological, alternative therapeutic approaches, including crisis intervention and case management. During the practicum experiences, students coordinate care and advocate for special populations of individuals, families, and groups across the lifespan. Prerequisite(s): NU 812.

NU 816. Psychiatric NP Internship/Practicum. 3 Hours.
Class - 1.5 Credits, Clinical - 9 Hours/Week (Total 126 Hours) This is an intensive clinical internship that prepares students to practice in the role of a psychiatric nurse practitioner. Building on biopsychosocial theories, the student will deliver comprehensive holistic primary mental health care to clients. Students will conduct comprehensive assessment, including diagnosis of and referral for physical health problems. Additionally, clinical experiences will include ordering and interpreting laboratory and diagnostic studies, in-depth knowledge of psychotropic medications, acceptable prescribing practices, monitoring for side effects and efficacy, risk verses benefit and an understanding of normal growth and development and what constitutes psychopathology. Students will present case studies with decision-making trees during seminars to explore relevant clinical and nonclinical issues. Prerequisite(s): NU 702 and NU 704 and NU 706.

NU 818. Family Psychiatric Nurse Practitioner Practicum. 2 Hours.
This is an intensive clinical internship that prepares students to practice in the role of a family psychiatric nurse practitioner. It will broaden the depth of content and practice that students have already assimilated in the areas of child and adolescent psychotherapy and psychopharmacology. Building on biopsychosocial theories, the student will deliver holistic primary mental health care to clients. Students will conduct comprehensive assessments, including diagnosis of and referral for physical health problems. Clinical experiences will be on therapeutic treatment modalities and interventions with children and adolescents, including therapy and psychopharmacology. Therapy content will cover a range of therapeutic interventions from analytical to behavioral, individual and group and long term to brief therapy. Psychopharmacological content will include ordering and interpreting laboratory and diagnostic studies, in-depth knowledge of psychotropic medications, acceptable prescribing practices, monitoring for side effects and efficacy, risk verses benefit and an understanding of normal growth and development and what constitutes psychopathology. Students will present case studies with decision-making trees during seminars to explore relevant clinical and nonclinical issues.

NU 830. Teaching Learning Theories & Strategies in Health Education. 3 Hours.
This course focuses on the theoretical foundations and strategies of teaching and learning in health education. The graduate health student will explore the various learning theories and pedagogical frameworks that guide the selection of instructional and learning strategies essential for both faculty and students. Content will be delivered using a variety of methodologies – classroom, multi-media on-line and on-line blog-type discussion format. Course participants will identify the differences and similarities in the learning theories specific to basic procedures of learning, assumptions made about such learning, the role of the educator, various sources of motivation to learn, and methods by which the transfer of learning is accomplished. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.

NU 832. Curriculum Development in Nursing Education. 3 Hours.
This course focuses on curriculum development that reflects contemporary health care trends and prepares graduates to function effectively within the context of continuously evolving nursing, health care and educational systems. In this course the graduate nursing student will design a curriculum that reflects institutional philosophy and mission, current nursing and health care trends, and community and societal needs so as to prepare nurses for practice in a complex, dynamic, multicultural health care environment. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.

NU 834. Assessment and Evaluation in Nursing Education. 3 Hours.
This course is designed to introduce learning evaluation concepts, including test and measurement, at the didactic, clinical, and programmatic levels. Course content will include strategies to assess and evaluate learning in the cognitive, psychomotor, and affective domains. Quality improvement, as well as legal and ethical considerations is explored within these concepts. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 740 and NU 710 and NU 730.
NU 836. Informatics and Technology in Health Education. 3 Hours.
The 3 credit course will explore the changing technology environment and its potential to impact on the delivery of quality, safe patient care. Infusing technology into educational programs is vital in preparing students to understand and meet the demands of caring for today’s patient populations. The course facilitates and enhances healthcare student’s knowledge, skills, and abilities to apply meaningful use of technology within their respective program of study. Focus will combine knowledge of healthcare professional, computers, social media, and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: technology’s impact on health profession work flow, legal, ethical and security considerations associated with select technology, and the impact of technology on the changing roles in healthcare will be discussed as they apply to clinical and consumer information technologies.

NU 838. Internship/Clinical Practicum in Nursing Education. 2-4 Hours.
This is the capstone clinical course in the nurse educator track. It involves the synthesis, refinement, and application of nursing, education, and evaluation theory in a variety of educational settings and integrated seminars. The bi-weekly seminars are framed within the context of established nurse educator scope of practice (NLN, 2005) and competencies (Council on Collegiate Education for Nursing, 2002; NLN, 2005) and students apply these in a variety of diverse academic and clinical settings under expert preceptor guidance. Graduate nursing students will create and share comprehensive portfolios demonstrating their ability to plan, deliver, assess and refine effective professional education offerings in varied settings with diverse learners. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740 and NU 830 and NU 832 and NU 834 and NU 836.

NU 840. Nurse Educator Capstone. 1-3 Hour.
This is the culminating scholarly experience in the master’s program. Graduate nursing students will demonstrate mastery of one particular subject area in their specialty track by developing a scholarly project including an evidence based review of that topic. The Department of Nursing relies upon the definition of scholarly work provided in the American Association of Colleges of Nursing’s Position Statement on Defining Scholarship for the Discipline of Nursing (1999). This states “scholarship in nursing can be defined as those activities that systematically advance the teaching, research, and practice of nursing through rigorous inquiry that 1) is significant to the profession, 2) is creative, 3) can be documented, 4) can be replicated or elaborated, and 5) can be peer-reviewed through various methods.” The course will allow students to develop such a project in close advisement with a faculty mentor(s) and to present that scholarship through a formal presentation, submitted paper, and a manuscript for publication or professional presentation. Prerequisite(s): NU 710.

NU 842. Family Psychiatric Nurse Practitioner Capstone. 1-3 Hour.
This is the culminating scholarly experience in the master’s program. Through this experience, graduate nursing students demonstrate mastery of a particular subject area in their specialty track by developing a scholarly project, including an evidence-based review of that topic. The scholarly project is based on factors used by the American Association of Colleges of Nursing’s Position Statement on Defining Scholarship for the Discipline of Nursing (1999) that include significance to the profession, creativity, documentation, replication and peer review. The course allows students to develop such a project in close advisement with a faculty mentor(s) and to present that scholarship through a formal presentation, submitted paper, and a manuscript for publication or professional presentation. Prerequisite(s): NU 710.

B.S. in Nursing (Husson/EMMC)

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Community and Co-curricular activities as also required

Professional Courses

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Suggested Course Sequence

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Fourth Year

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*** Credit may not be required for degree completion.

Courses

**NU 100. Professional Concepts in Nursing. 3 Hours.**

The major focus of this course is on preparing students for the rigorous nursing curriculum. Topics include the essence of baccalaureate nursing and the curriculum design. Also included are discussions aimed to enhance student success, including self assessment and identification of learning styles. The major concepts of this nursing course will provide a framework for the individual's program of study. They include, but are not limited to, critical thinking, the nursing process, teaching/learning, and an introduction to ethical and legal concerns in the nursing profession.

**NU 208. Health Assessment. 4 Hours.**

The emphasis of this course is on the health assessment of an adult. Evidence-based health promotion and disease prevention goals, risk assessment, and client education are highlighted. In the classroom and clinical laboratory, the student will learn to gather subjective and objective data about a client's health status utilizing face-to-face interviews and physical examination techniques, as well as by making use of a digital clinical experience. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222.

**NU 211. Nursing Intervention I. 3 Hours.**

This course introduces concepts of patient care and basic nursing interventions used in caring for individuals throughout the lifespan. Learners will use the classroom and skills laboratory to gain beginning competence in nursing theory, nursing process, basic nursing skills, therapeutic communication, and critical thinking. Students will also develop an awareness of diverse cultural beliefs and values in relation to health care. A major focus will be on the nurse's role in the safe delivery of care. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222 and SC 180 and SL 180 and NU 100 and (MS 141 or MS 180 or MS 181).
NU 212. Nursing Intervention II. 4 Hours.
This course is the second half of NU 211 and focuses on knowledge and skills that are fundamental to nursing care throughout the lifespan and regardless of disease entity. Using the classroom, lab, and clinical placements, learners will demonstrate competence in the application of the nursing process in the planning and delivery of nursing care. Themes of growth and development, cultural diversity, evidence-based practice, and critical thinking will be threaded throughout. Skills and knowledge learned in this course are foundational to learning throughout the rest of the curriculum. Prerequisite(s): NU 211.

NU 214. Pharmacology. 3 Hours.
This course builds upon students’ knowledge of anatomy, physiology, chemistry and the nursing process. It is designed to provide the knowledge required for the safe administration of drugs and teaching with patients across the life span. Actions, therapeutic uses, interactions and side effects of major drug classifications, as well as nursing responsibilities related to drug administration to patients across the life span are examined. Prerequisite(s): NU 211.

NU 299. Topic/. 1 Hour.
Selected topics in nursing are considered. The course enhances students’ knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 315. Child Health. 5 Hours.
This course addresses the care of ill children and their families. Adaptation theory will be used as the theoretical framework for nursing assessments, interventions, and evaluations. The nursing process is applied relative to this population. This course encompasses diagnostic and therapeutic techniques. Clinical opportunities are provided in the acute care setting. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234.

NU 320. Nursing Research. 3 Hours.
Students will understand the basic concepts, processes, and applications of quantitative and qualitative research. Students will analyze the role and implication of nursing research and research within other disciplines on the nursing profession. Prerequisite(s): MS 132.

NU 322. Adult/Family Health I. 5 Hours.
This course facilitates the integration of knowledge and skills acquired from previous courses. The emphasis is on understanding the nurse’s role in uncomplicated acute and chronic illness with predictable outcomes within changing practice environments across the spectrum of health and illness. In a learner-centered classroom and simulation environment, analytical and experiential learning activities are provided which encourage active participation in demonstrating clinical reasoning and judgment in meeting the health care needs of clients/family. The goal is for the learner to be able to approach client care conceptually, so that care is designed with a focus on prioritization and solid understanding of rationales. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 333 and SC 234.

NU 323. Adult/Family Health II. 5 Hours.
This course facilitates students’ integration of knowledge gained from previous courses, and expands students’ knowledge from previous learning experiences. Theoretical and conceptual models and related research provide the foundation for expanding health assessment and clinical practice skills. Analytical and experiential learning activities are provided which encourage active participation in demonstrating decision-making skills and judgment in meeting the health care needs of clients/family. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234 and NU 322.

NU 324. Maternal and Newborn Nursing. 5 Hours.
The focus of this course is the childbearing family. Concepts related to prepregnancy issues, pregnancy, the fetus/newborn, and the post delivery family are presented. Physiologic, social, and cultural issues, as they relate to the childbearing family, are included. Clinical experiences occur in a variety of settings, including inpatient, educational, and community settings. Prerequisite(s): SC 233 and SC 234 and SC 241 and NU 208 and NU 211 and NU 212 and NU 214.

NU 412. Community Health. 5 Hours.
This course builds upon the student’s broad base of knowledge in the natural and social sciences, humanities, and previous nursing content. Attention is directed toward assessment of biopsychosocial stressors of the individual, family, group, and community and their adaptation to changes in the environment. Prerequisite(s): NU 322 and NU 323 and NU 324 and NU 320 and NU 315.

NU 422. Community Mental Health. 5 Hours.
This course focuses on behaviors, which occur when individuals, families, and groups in the community are unable to cope effectively with acute and chronic biopsychosocial and cultural stressors. Relevant theories and theoretical formulations are used in order to promote an understanding of individual, family, group, and community dynamics. Within the framework of the nursing process, self-knowledge and intervention skills are developed which allow the student to assist individuals, families, and groups in their adaptation to internal and external stressors. Prerequisite(s): NU 320 and NU 322 and NU 323 and NU 324 and NU 315.

NU 424. Adult / Family Health III. 3 Hours.
This course is the last in a sequence of adult health. It is designed to integrate and expand previous learning, clinical and leadership experiences of the student. Students will participate in scenarios that require them to critically analyze and apply research, theories and educational models of teaching/learning processes. Clinical practice provides the opportunity to synthesize knowledge and demonstrate diagnostic reasoning, critical decision-making and delegation. Engaged ethical and clinical reasoning occurs with student’s involvement in the management of adult, family, and groups in complex clinical health care situations with expert nurse partners and faculty. This partnership creates a way to understand and guide analytical and experiential learning. These clinical partnerships take place in a variety of clinical settings. Prerequisite(s): NU 322 and NU 323.

NU 425. Nursing Senior Capstone. 1-2 Hour.
The capstone course is an opportunity for the student to demonstrate that he or she has achieved the terminal outcomes of the Husson/EMMC Baccalaureate Nursing Program. The capstone promotes connection between knowledge, skills, and attitudes learned in both general education and nursing courses. This course is student centered and student directed and will facilitate the graduate’s transition to the professional world. Prerequisite(s): NU 315 and NU 320 and NU 322 and NU 324.

NU 426. Policy Leadership and Management in Nursing. 3 Hours.
This course provides a conceptual and practical basis for examining professional nursing leadership roles. Emphasis is placed on accountability in regulated systems, management of complex organizations, and principles of advocacy aimed at the promotion of health and quality health systems. Prerequisite(s): College Level=Senior.
NU 431. Wound Management. 3 Hours.
Focus is on utilization of the Nursing Process in the provision of care to clients with chronic wounds. Emphasis is placed on client/family education and the use of evidence-based practice in wound management. Prerequisite(s): NU 208 and NU 212.

NU 432. Caring, Spirituality & Culture. 3 Hours.
This course is designed to provide the undergraduate nursing student with a working knowledge of how the concepts of caring, culture and spirituality influence health status and health related behaviors. The focus of the course is to explore these concepts, their meanings and implications, and to utilize the concepts when providing or planning holistic nursing care for diverse clients, families, groups, and communities.

NU 433. Gerontological Nursing. 3 Hours.
Course is to address the professional nursing role in providing and coordinating health care for the elderly population. Content provided is to address physical, emotional, social and spiritual needs of older adults. The nursing process will identify individual and family issues for professional nurse to serve as a conduit for skills and information to promote successful aging. Prerequisite(s): NU 208 and NU 212.

NU 435. History of Women’s Health. 3 Hours.
An elective course that explores the progression of the women’s health movement in the U.S. from the 1800’s to present day. Ideas about women’s bodies as an entity of wellness and illness in the context of medicine and the feminist movement will be discussed and researched in this seminar-type class. The student will gain an understanding of the struggles as well as the accomplishments of important historical figures and their concepts. Traditional women healers from lay to professional will be researched for an understanding of how women receive health care in 2008. Race, ethnicity, disability, sexuality and class will be examined looking at individual perspectives of health and care. Prerequisite(s): NU 208 and NU 212.

NU 441. Role Transition to BSN. 3 Hours.
In this course, students examine the transition of the Registered Nurse (RN) to the professional role of nursing an advanced degree at the baccalaureate or graduate level. As the entry course for the RN-to-BSN program, students are provided with networking and mentoring opportunities with peers and faculty. Professional bases for nursing practice, critical abilities for today’s professional nurse, and role of continuous quality improvement and safety in healthcare systems are explored. This course is offered in a hybrid format.

NU 442. Health Informatics & Technology. 3 Hours.
In this course, students explore the changing technology environment and its potential impact on the delivery of quality, safe patient care. The course combines knowledge of nursing, computers and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: (a) technology’s impact on nursing work flow, (b) legal and ethical considerations associated with select technology, and (c) the impact of technology on the changing role of the nurse. This course is offered in a hybrid format.

NU 443. Quality Improvement in Healthcare Systems. 3 Hours.
In this course, students are introduced to competencies necessary for studying clinical microsystems and examining their influence on patient safety, satisfaction, and other clinical outcomes. Students will apply: (a) quality improvement assessment tools and models within a microsystem, (b) continuous quality improvement theory, (c) evidence-based practice, (d) performance improvement methods, and (e) the development of team-based problem solving and resolution. This course is offered in a hybrid format.

NU 444. BSN Capstone Practice (with 42 Practicum Hours). 3 Hours.
This is the culminating scholarly experience in the RN-to-BSN program of study. Students will focus on synthesis and integration of complex concepts relevant to their scope of practice, and leadership and management skills in complex organizational environments. Emphasis is placed on the application of leadership principles through an evidence-based capstone project. This course is offered in a hybrid format. Prerequisite(s): NU 441 and NU 442 and NU 443 and NU 706 and NU 710 and NU 740.

NU 499. Topic/. 1-3 Hour.
Selected topics in nursing are considered. The course enhances students’ knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 700. Theories and Roles for Advanced Nursing Practice. 3 Hours.
This course is designed to provide an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. The importance of the role of the Advanced Practice Nurse in Interprofessional Collaboration is also explored. Emphasis is placed on the relevant historic, current and future practice issues inherent in the varied aspects of advanced practice nursing. The course also examines legislative issues and trends at both state and national levels, as they relate to the effective and appropriate role of advanced practice nurses within our rapidly changing healthcare system.

NU 701. Theories for Advanced Nursing Practice. 2 Hours.
This course provides an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. These theories reflect important contributions from both the nursing profession and non-nursing disciplines. The course provides a historical perspective and analysis of nursing theorists from Nightingale to emerging theorists and includes an introduction to theories fundamental to advanced practice nursing, such as role theory and family nursing theory.

NU 702. Advanced Pharmacotherapeutics. 3 Hours.
This course builds upon undergraduate understanding of pharmacological principles and agents by preparing students to evaluate and prescribe medications for common acute and chronic health problems seen in the primary care setting. Students will examine the regulatory aspects of drug administration and prescription from the perspective of advanced nursing practice. The focal point of the class will be the development of clinical decision-making skills essential to safe and effective pharmacologic intervention. Current concepts in pharmacologic therapies as part of the treatment of commonly encountered health problems will be stressed. The importance of collaboration between Advanced Practice Nurses and Pharmacy colleagues will be addressed, particularly in regard to patient safety and treatment efficacy. Prerequisite(s): NU 700 and NU 706.

NU 703. Roles for Advanced Nursing Practice. 2 Hours.
This course provides an in-depth analysis of the role of the advanced practice nurse. That knowledge is needed to conceptualize and identify with relevant historic, current and future practice issues inherent in the role. Both state and national legislation and trends are addressed, as they relate to the effective and appropriate use of advanced practice nurses within the rapidly changing healthcare system.
NU 704. Advanced Health Assessment. 3 Hours.
The focus of this course is the assessment of total health status of adult patients. The course is designed to enable the student to develop diagnostic reasoning skills and to utilize a regional approach to physical examination. Instruction builds upon the health assessment skills of the experienced RN/BSN and includes a laboratory practicum that provides the student with opportunities to apply new knowledge and practice in the areas of physical examination. Students will perform complete physical exams on each other and standardized patients — obtaining health histories, performing physical examinations and documenting findings. Along the way, students will learn more about the importance of providing high-quality care that is culturally competent, the process of developing a list of Differential Diagnoses and appropriate ordering of diagnostics. Prerequisite(s): NU 700 and NU 706.

NU 705. Advanced Psychopharmacology. 3 Hours.
This course reviews the application of pharmacotherapeutic principles to psychiatric disorders across the lifespan. Major class of medications include antidepressants, mood stabilizers, psychostimulants, antipsychotic medications, anxiolytics and off label use. Students review in detail the indications, contraindications, side effects and adverse reactions and drug interactions. In addition, the course addresses the use of herbal remedies, homeopathy and diet. The course places special emphasis on the applications of psychopharmacology to clinical case studies across the lifespan, including children, adolescents, adults, and geriatric populations. Prerequisite(s): NU 700 and NU 702 and NU 706 and NU 707.

NU 706. Advanced Pathophysiology. 3 Hours.
This course examines the reaction of the body to disease throughout the lifespan. Using a conceptual approach that is designed to integrate knowledge from basic and clinical sciences, it focuses on alterations in biological processes which affect the body’s dynamic equilibrium. Alterations at the cellular and organ level are presented and include genetic, metabolic, infectious, immunologic, degenerative, and neoplastic processes. Clinical problems will be developed and explored to facilitate the acquisition of critical thinking, problem-solving and evaluation skills needed by practitioners in the management of clients with chronic and acute health problems.

NU 707. Neurobiology. 3 Hours.
This course focuses on the study of brain, mind and behavior and examines the neuroanatomical, neurophysiological, and biochemical foundations of cognition, mood, emotion, affect, and behavior and the interactions among them. It takes into consideration both internal and external influences across a person’s life span. Included is an overview of brain functioning and mechanisms of neurotransmission, genetics, the effects of other body systems such as the endocrine and immune systems, temperament, and the environment. Prerequisite(s): NU 706.

NU 710. Nursing Research. 3 Hours.
This course explores the principles and uses of the research process in Advanced Practice Nursing. The graduate nursing student will become an active participant in the research experience and be prepared to develop, write and present a research proposal. Content will focus on evidence-based practice, understanding the role of a nurse practitioner as researcher, and the development of a research proposal that will be the foundation and beginning process of their scholarly project. Students are strongly encouraged to develop a proposal that includes interprofessional collaboration. Prerequisite(s): NU 700.

NU 722. Adv Mental Hlth Asmt Across the Lifespan (168 Clinical Hrs). 5 Hours.
This course is designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 740. Public Health Policy Issues and Challenges. 3 Hours.
This course is designed to provide the graduate student with an opportunity to explore and evaluate the political process, fiscal policies, and their impact on public health and the health care system. The use of sociopolitical and ethical frameworks are interwoven with policy development. Opportunities are provided for students to critique public policy and determine how the behavior of health professional’s impact governmental decisions and regulatory processes. Students will explore legislative processes, state/federal policies, and analyze current legislative and policy issues.

NU 799. Special Topics in Nursing. 1-3 Hour.
Selected topics in nursing are offered under the guidance of graduate faculty. The course enhances students knowledge of advanced practice nursing, building on previous knowledge of nursing and healthcare in today’s complex and rapidly changing healthcare system. This course may be used as an elective in the student’s program of study and may be taken more than once as long as different topics are taken.

NU 801. Adv Mntl Hlth Asmt Across the Lifespans (168 Clinical Hrs). 5 Hours.
NU 801 is a hybrid course designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 802. Family Health II - Adult-Gero Health (168 Internship Hours). 6 Hours.
This course explores relevant practice issues in the health care of adults and families. Primary focus is on the assessment of acute and chronic health problems experienced by this population, as well as health promotion/disease prevention activities. The precepted internship experience gives students an opportunity to provide primary care to adults of any age. In the course, students continue to further explore the interprofessional collaborative role in both the classroom and clinical setting. Prerequisite(s): NU 700 and NU 702 and NU 704.
NU 806. Family Health IV-Integrating Primary Care (168 Intern. Hrs.). 6 Hours.
This is the culminating internship course in the program. The focus is on synthesizing the knowledge and clinical management skills from previous courses in preparation for the transition from graduate student to novice nurse practitioner. The course focuses on the importance of integrating patient care by collaborating with other healthcare providers particularly in regard to improving patient safety and health outcomes. Students take part in seminars that allow them to thoroughly explore both clinical and non-clinical issues frequently noted in primary care. At the same time, students become familiar with the newest clinical guidelines for disorders most commonly seen in primary care. Information is provided and discussed in four on-campus/virtual sessions, weekly Journal Club requirements and will culminate with the presentation of Capstone projects. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 802 and NU 807 and NU 808.

NU 807. Family Health I -- Pediatrics (168 Internship Hours). 6 Hours.
The focus of this course explores theories and the practice of health care for children from infancy through adolescence within a context of family health care. The course will focus on health promotion and acute and chronic illness conditions experienced by these childbearing and childrearing families. This course will focus on health-illness issues experienced by this population in underserved rural and urban areas. The clinical practicum experience will present the advanced practice nursing student with clinical experience in assessing, planning, and managing care for families in these age groups at a variety of clinical sites. Opportunities will be available in both the classroom and clinical setting to further explore the roles inherent to the advanced practice nurse who provides primary health care to these clients. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 808. Family Health III -- Women's Health (168 Internship Hours). 6 Hours.
This course explores the theories and practice of healthcare for women within the context of the family. It also focuses on health promotion and acute or chronic illness that may be experienced particularly by childbearing families. The internship will present the family nurse practitioner student with precepted experiential learning in assessing, planning and managing women's health from a primary care perspective. Particular emphasis will be placed on the importance of collaborating with other health care professionals in order to achieve patient safety and optimal health outcomes. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 809. Adv Women's Health Assessment II (w/168 Intern Hrs). 6 Hours.
Building on previous study in women's health, students begin to critically examine and address concepts and research related to issues of women from adolescence to menopause. This course focuses on the advanced practice nursing knowledge necessary for the comprehensive assessment and health management of individuals and families during the childbearing years. Particular attention will be paid to the pre-, ante- and post-natal periods. Concepts include human sexuality, disease prevention, pregnancy/chilbirth and urogynecological issues as well as the social and political determinants of health. Prerequisite(s): NU 808.

NU 810. Family Psychiatric Nursing I (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner's role in the delivery of mental health care for mentally ill individuals and families across the lifespan. Students examine the theories relevant to family therapy and individual psychotherapy, as well as psychopharmacological and alternative treatments. Practicum experiences focus on student application of family interventions and therapy as well as individual interventions and psychotherapy in acute and chronic care settings. Populations include children, adolescents, adults, and geriatric individuals. Prerequisite(s): NU 702 and NU 705 and NU 710 and NU 722.

NU 811. Women's Health Iss - A Public Health Approach to Care & Pol. 3 Hours.
Consistent with the emerging definitions of women's health and women's health practice, this course examines a full range of health issues unique to women. Women's health specialization includes prevention, the societal and political determinants of health, patient education and reconceptualization of women's relationships with health care providers. Health assessment and maintenance as well as disease identification and treatment will be presented on a wellness to illness continuum. Students develop a woman-centered holistic approach to care—the central concept in women's health nursing practice.

NU 812. Family Psychiatric Nursing II (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner's role in the delivery of primary mental health care across the lifespan. The course emphasizes promoting optimum mental health, preventing mental illness, health maintenance, and preventing new occurrences of mental illness. Students examine theories relevant to group therapy interventions and consultation, as well as psychopharmacological and alternative treatments. The advanced practice nursing student will develop interventions and programs that reduce stressors and maximize mental health for individuals of all ages and communities. Prerequisite(s): NU 810.

NU 813. Advanced Women's Health Assessment III (w/168 Intern Hrs). 6 Hours.
Students in this course will examine the unique issues and needs of the peri- and post-menopausal woman. There will be significant focus on the issues of healthy aging, sexuality, urogynecologic and hormonal changes affecting women as they move beyond the childbearing years. Prerequisite(s): NU 808 and NU 809.

NU 814. Family Psychiatric Nursing III (210 Clinical Hours). 6 Hours.
In this course, the psychiatric nurse practitioner's role is further developed as the learner integrates psychiatric theory and practice skills while intervening with the chronic mentally ill in rural settings. Emphasis is on integration of psychotherapeutic, pharmacological, alternative therapeutic approaches, including crisis intervention and case management. During the practicum experiences, students coordinate care and advocate for special populations of individuals, families, and groups across the lifespan. Prerequisite(s): NU 812.
NU 816. Psychiatric NP Internship/Practicum. 3 Hours. 
Class - 1.5 Credits, Clinical - 9 Hours/Week (Total 126 Hours) This is an intensive clinical internship that prepares students to practice in the role of a psychiatric nurse practitioner. Building on biopsychosocial theories, the student will deliver comprehensive holistic primary mental health care to clients. Students will conduct comprehensive assessment, including diagnosis of and referral for physical health problems. Additionally, clinical experiences will include ordering and interpreting laboratory and diagnostic studies. Comprehensive medication management of psychiatric clients will include an in-depth knowledge of psychotropic medications, acceptable prescribing practices and monitoring for side effects and efficacy. Students will present case studies with decision-making trees during seminars to explore relevant clinical and non-clinical issues. Prerequisite(s): NU 702 and NU 704 and NU 706.

NU 818. Family Psychiatric Nurse Practitioner Practicum. 2 Hours. 
This is an intensive clinical internship that prepares students to practice in the role of a family psychiatric nurse practitioner. It will broaden the depth of content and practice that students have already assimilated in the areas of child and adolescent psychotherapy and psychopharmacology. Building on biopsychosocial theories, the student will deliver holistic primary mental health care to clients. Students will conduct comprehensive assessments, including diagnosis of and referral for physical health problems. Clinical experiences will be on therapeutic treatment modalities and interventions with children and adolescents, including therapy and psychopharmacology. Therapy content will cover a range of therapeutic interventions from analytical to behavioral, family, individual and group and long term to brief therapy. Psychopharmacological content will include ordering and interpreting laboratory and diagnostic studies, in-depth knowledge of psychotropic medications, acceptable prescribing practices, monitoring for side effects and efficacy, risk verses benefit and an understanding of normal growth and development and what constitutes psychopathology. Students will present case studies with decision-making trees during seminars to explore relevant clinical and nonclinical issues.

NU 830. Teaching Learning Theories & Strategies in Health Education. 3 Hours. 
This course focuses on the theoretical foundations and strategies of teaching and learning in health education. The graduate health student will explore the various learning theories and pedagogical frameworks that guide the selection of instructional and learning strategies essential for both faculty and students. Content will be delivered using a variety of methodologies – classroom, multi-media on-line and on-line blog-type discussion format. Course participants will identify the differences and similarities in the learning theories specific to basic procedures of learning, assumptions made about such learning, the role of the educator, various sources of motivation to learn, and methods by which the transfer of learning is accomplished. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.

NU 832. Curriculum Development in Nursing Education. 3 Hours. 
This course focuses on curriculum development that reflects contemporary health care trends and prepares graduates to function effectively within the context of continuously evolving nursing, health care and educational systems. In this course the graduate nursing student will design a curriculum that reflects institutional philosophy and mission, current nursing and health care trends, and community and societal needs so as to prepare nurses for practice in a complex, dynamic, multicultural health care environment. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.

NU 834. Assessment and Evaluation in Nursing Education. 3 Hours. 
This course is designed to introduce learning evaluation concepts, including test and measurement, at the didactic, clinical, and programmatic levels. Course content will include strategies to assess and evaluate learning in the cognitive, psychomotor, and affective domains. Quality improvement, as well as legal and ethical considerations is explored within these concepts. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 740 and NU 710 and NU 730.

NU 836. Informatics and Technology in Health Education. 3 Hours. 
The 3 credit course will explore the changing technology environment and its potential to impact on the delivery of quality, safe patient care. Infusing technology into educational programs is vital in preparing students to understand and meet the demands of caring for today's patient populations. The course facilitates and enhances healthcare student's knowledge, skills, and abilities to apply meaningful use of technology within their respective program of study. Focus will combine knowledge of healthcare professional, computers, social media, and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: technology's impact on health profession work flow, legal, ethical and security considerations associated with select technology, and the impact of technology on the changing roles in healthcare will be discussed as they apply to clinical and consumer information technologies.

NU 838. Internship/Clincial Practicum in Nursing Education. 2-4 Hours. 
This is the capstone clinical course in the nurse educator track. It involves the synthesis, refinement, and application of nursing, education, and evaluation theory in a variety of educational settings and integrated seminars. The bi-weekly seminars are framed within the context of established nurse educator scope of practice (NLN, 2005) and competencies (Council on Collegiate Education for Nursing, 2002; NLN, 2005) and students apply these in a variety of diverse academic and clinical settings under expert preceptor guidance. Graduate nursing students will create and share comprehensive portfolios demonstrating their ability to plan, deliver, assess and refine effective professional education offerings in varied settings with diverse learners. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740 and NU 830 and NU 832 and NU 834 and NU 836.

NU 840. Nurse Educator Capstone. 1-3 Hour. 
This is the culminating scholarly experience in the master's program. Graduate nursing students will demonstrate mastery of one particular subject area in their specialty track by developing a scholarly project including an evidence based review of that topic. The Department of Nursing relies upon the definition of scholarly work provided in the American Association of Colleges of Nursing's Position Statement on Defining Scholarship for the Discipline of Nursing (1999). This states "scholarship in nursing can be defined as those activities that systematically advance the teaching, research, and practice of nursing through rigorous inquiry that 1) is significant to the profession, 2) is creative, 3) can be documented, 4) can be replicated or elaborated, and 5) can be peer-reviewed through various methods." The course will allow students to develop such a project in close advisement with a faculty mentor, and present their scholarship through a formal presentation and submitted paper, as well as a manuscript for publication or professional poster presentation. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740 and NU 830 and NU 832 and NU 834 and NU 836.
NU 841. Family and Community Nurse Practitioner Capstone. 1-3 Hour. This course is the culminating scholarly requirement for those in the MSN/FNP track. Graduate nursing students work together, in groups of two to four, to demonstrate mastery of a particular subject area significant to interprofessional primary care practice. A final paper, poster and oral presentation are required; submission of a manuscript for publication is optional. This course is offered on a one credit per semester basis in three of the four final semesters of coursework, for a required total of three credits. Prerequisite(s): NU 700 and NU 710.

NU 842. Family Psychiatric Nurse Practitioner Capstone. 1-3 Hour. This is the culminating scholarly experience in the master's program. Through this experience, graduate nursing students demonstrate mastery of a particular subject area in their specialty track by developing a scholarly project, including an evidence-based review of that topic. The scholarly project is based on factors used by the American Association of Colleges of Nursing’s Position Statement on Defining Scholarship for the Discipline of Nursing (1999) that include significance to the profession, creativity, documentation, replication and peer review. The course allows students to develop such a project in close advisement with a faculty mentor(s) and to present that scholarship through a formal presentation, submitted paper, and a manuscript for publication or professional presentation. Prerequisite(s): NU 710.

RN/BSN Programs

Healthcare has changed significantly over the last few decades, and today's nurses need to become partners and leaders in improving the delivery of care. The RN-to-BSN/MSN programs are designed to meet the needs of the busy lives of practicing nurses, while recognizing past learning and expertise. Building on existing nursing degree, the program will move students into new areas to advance their career with courses on informatics, quality improvement, leadership and interprofessional public health. The program provides RNs the opportunity to complete their BSN and then move seamlessly on to one of our MSN programs. Our online options allow students to continue working as they complete the additional education needed for career advancement.

The RN-to-BSN/MSN program was created with students in mind:

- Previously completed coursework counts at Husson. Students can transfer up to 39 nursing credits and 90 qualifying credits from other nursing programs.
- Students save valuable time and money. Individuals in our program can structure their studies in a way that will allow them to simultaneously complete up to 25 percent of the requirements leading to Husson’s MSN degree.
- Flexible program structure; customize course progression in ways that make sense for the student
- Our programs focus on expanding existing knowledge and expertise with new coursework. This includes content devoted to leadership and community/public health.
- With our virtual classroom capabilities, students are able to attend class with fellow students and faculty from anywhere through the use of advanced technology delivered in 7-week online format

Husson University School of Nursing Technical Standards

The Baccalaureate of Science in Nursing (BSN) or Masters of Science in Nursing (MSN) degrees awarded by Husson University School of Nursing attests that the BSN or MSN graduate has acquired a broad base of knowledge, skills and abilities, for safe and competent practice as a professional nurse or advance practice nurse. Nursing education requires that the accumulation of evidence-based knowledge be accompanied by the simultaneous acquisition of technical skills, professional attitudes and professional behaviors. In addition to specific teaching clinical sites requirements, the following technical requirements have been adopted by the Husson University School of Nursing programs as requirements for progression within, and graduation from the BSN or MSN programs. In signing the student handbook, the student is attesting to and agrees to abide with the following:

**Emotional Requirements:** Students must have sufficient emotional stability to perform under stress produced by both academic study and the necessity of performing nursing in simulated and real patient situations while being observed by faculty, peers, clinical educators, and others. Students need to have the endurance to adapt to a physically and emotionally demanding program. Students must tolerate moderate personal stress levels to achieve success while adhering to the professional standards and requirements of the nursing program.

The skills essential to being a student nurse and ultimately, a nurse, include the following: Able to critically reason, and adapt to varying pressures, stress and changes, especially those in unpredictable crises and emergencies. Students must be able to demonstrate self-control, patience, and tolerance. Students must be able to accept feedback and instruction. Emotional stability is required to be part of a positive learning environment, in respectful patient care and teaching, and with communication with peers, faculty, health care team, patients and families. Sensitivity and compassion is required in meeting the needs of all patients (geriatric, children, etc.). Patient’s comfort, privacy and confidentiality must be maintained.

**Cognitive Requirements:** The student must exhibit cognitive skills necessary for problem solving, clinical reasoning, and judgment. Students must integrate a variety of material with increasing complexity presented throughout the curriculum including presentations, class discussions, interviews and assessments, and reading from textbooks, journals, and medical records. Students must be able to identify and respond accurately to factual information as well as subtle non-verbal cues of mood, temperament, and gestures provided by others. Students must be attentive and be able to focus during class and clinical experiences to fully participate in the learning environment.

**Social Requirements:** The student must have appropriate social skills for forming and maintaining relationships with a variety of people including faculty, peers, clinical instructors, patients and their families/significant others. Students must demonstrate the ability to participate as an effective group member. Flexibility and maturity in all interactions is required for this program. Verbal and non-verbal communications and interactions must be respectful, civil and professional in manner, demeanor and tone.

**Communication Requirements:** Students must be able to communicate in written and oral English effectively with faculty, peers and patients in the classroom, clinical setting and community. Communication skills include oral speech, reading and writing in order to be able to complete written and oral assignments.

**Physical Requirements:**

- **Vision:** Able to assess patient’s health status using visual inspection and observation to detect changes in physical appearance, contour, and color. Able to accurately read labels on medications and calibration and monitoring devices (i.e. syringes, manometers and
other monitoring; able to read and create written communication/ charting and policies.

- **Depth perception and fine motor skills:** Able to recognize objects that have depth, height and width, such as needed to describe wounds, etc. Able to perform gross and fine motor skills such as what is needed to insert medical supplies and medication into the body (such as an indwelling urinary catheters and injections). Able to write and type accurately and clearly on all required assignments, and patient records.

- **Hearing:** Able to hear within normal range the spoken word, auditory monitoring devices (such as stethoscope) as well as hear mechanical alarms.

- **Speech:** Able to communicate verbally in an understandable manner using the English language to communicate with patient/family and health care team. Able to provide patient specific teaching.

- **Walking:** Able to walk and use stairs while in the clinical area.

- **Standing:** Able to stand for prolonged periods of time while in the clinical area.

- **Sitting:** Able to be seated in class, computer lab, clinical labs, in clinical conferences as well as during charting in the clinical area.

- **Lifting/Carrying:** Able to lift and carry an average of 10-50 pounds such as medical supplies. Required to lift, transfer, and move patients in the nursing lab and clinical areas. Effectively assist patients in the rehabilitation process of ambulation, stair climbing, and transferring techniques.

- **Tactile Sensation:** Able to detect condition and changes of the body by using the fingers and hands to touch. Able to feel vibrations, pulses and skin temperature.

- **Pushing/Pulling:** Able to pull, push, position and transfer patients. Able to perform cardiopulmonary resuscitation (CPR) such as with chest percussions, etc.

- **Bending/Reaching/Twisting/Turning and Stretching:** Able to reach, stoop, bend, kneel, crouch and other motions that are required when bathing patients, changing beds and using medical equipment.

**Health and Safety Requirements:** Students must display good self-awareness of personal health practices and hygiene. They must understand the importance of good personal health habits and prevention of disease/infection control. They must display an awareness of personal issues and report any that would potentially interfere with their ability to completely care for others.

The nursing student may not pose a risk to the health and safety to themselves or others in the school, clinical area, or at any Husson University sanctioned event/activities. The student must always protect self and others from exposure to body fluids, and communicable diseases by using the education and training provided in labs and the clinical areas. The student, in a professional manner, must be able to tolerate unpleasant events as those found in accidents, injuries, illness and death.

**Reasonable Accommodation**

It is the policy of Husson University, School of Nursing, to provide reasonable accommodation to qualified students with a disability so they can meet these essential requirements in accordance with the Rehabilitation Act of 1973 and the Americans with Disability Act of 1990. Whether or not a requested accommodation is reasonable will be determined on an individual basis. Determining what is a reasonable accommodation is an interactive process, which the candidate must initiate with the Director of Nursing who can be reached at (207) 992-1934 or wilsonbarkers@husson.edu and with the Dean of Students who can be reached at (207) 941-7058 or brawng@husson.edu.

**NL Courses**

- **NL 208. Clinical: Health Assessment. 0 Hours.**
- **NL 211. Clinical: Nursing Interven I. 0 Hours.**
- **NL 212. Clinical: Nursing Interven II. 0 Hours.**
- **NL 315. Clinical: Child Health. 0 Hours.**
- **NL 322. Clinical: Adult/Family Hlth I. 0 Hours.**
- **NL 323. Clinical: Adult/Family Hlth II. 0 Hours.**
- **NL 324. Clinical: Maternal and Newborn Nursing. 0 Hours.**
- **NL 412. Clinical: Community Health. 0 Hours.**
- **NL 422. Clinical: Comm Mental Health. 0 Hours.**
- **NL 427. Senior Practicum. 4 Hours.**
  Senior Practicum is a preceptorship experience for senior nursing students at an assigned healthcare setting. The preceptorship experience is based on the model from the National Council State Board of Nursing Transitions to Practice so as to help students prepare for the transition to professional practice. Prerequisite(s): NU 315 and NU 323 and NU 324 and College Level=Senior.
- **NL 499. Clinical*. 0 Hours.**
- **NL 722. Clinical: Adv Mental Hlth. 0 Hours.**
- **NL 810. Clinical: Psychiatric Nursing I. 0 Hours.**
- **NL 812. Clinical: Psych Nursing II. 0 Hours.**
- **NL 814. Clinical: Psych Nursing III. 0 Hours.**
- **NL 815. Women's Health NP - Final Practicum (352 Hours). 6 Hours.**
  Students will apply advanced knowledge of normal physiology, pathophysiology and psychosocial concepts to the care of women in an experiential setting, functioning in the women's health nurse practitioner role. The focus is on the synthesis of theory, knowledge and skills from previous courses. Prerequisite(s): NU 808 and NU 809 and NU 811 and NU 813.
- **NL 816. Clinical: Psychiatric NP Internship/Practicum. 0 Hours.**
- **NL 818. Family Psychiatric Nurse Practitioner Practicum. 1 Hour.**
  This is an intensive clinical internship that prepares students to practice in the role of a family psychiatric nurse practitioner. It will broaden the depth of content and practice that students have already assimilated in the areas of child and adolescent psychotherapy and psychopharmacology. Building on biopsychosocial theories, the student will deliver holistic primary mental health care to clients. Students will conduct comprehensive assessments, including diagnosis of and referral for physical health problems. Clinical experiences will be on therapeutic treatment modalities and interventions with children and adolescents, including therapy and psychopharmacology. Therapy content will cover a range of therapeutic interventions from analytical to behavioral, family, individual and group and long term to brief therapy. Psychopharmacological content will include ordering and interpreting laboratory and diagnostic studies, in-depth knowledge of psychotropic medications, acceptable prescribing practices, monitoring for side effects and efficacy, risk verses benefit and an understanding of normal growth and development and what constitutes psychopathology. Students will present case studies with decision-making trees during seminars to explore relevant clinical and nonclinical issues.
NL 830. Clinical: Teach Learn Theories and Strategies in Nurse Ed. 0 Hours.  
Clinical. Prerequisite(s): NU 700 and NU 704 and NU 706.

NL 832. Clinical: Curriculum Development in Nursing Education. 0 Hours.  
Clinical. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 830.

NL 834. Clinical: Assessment and Evaluation in Nursing Education. 0 Hours.  
Clinical. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 830 and NU 832.

NL 836. Clinical: Informatics and Technology in Nursing Education. 0 Hours.  
Clinical. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 830 and NU 832 and NU 834.

NL 838. Internship/Clinical Practicum in Nursing Education. 0 Hours.  
Clinical. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 830 and NU 832 and NU 834 and NU 836.

NU Courses

NU 100. Professional Concepts in Nursing. 3 Hours.  
The major focus of this course is on preparing students for the rigorous nursing curriculum. Topics include the essence of baccalaureate nursing and the curriculum design. Also included are discussions aimed to enhance student success, including self-assessment and identification of learning styles. The major concepts of this nursing course will provide a framework for the individual’s program of study. They include, but are not limited to, critical thinking, the nursing process, teaching/learning, and an introduction to ethical and legal concerns in the nursing profession.

NU 208. Health Assessment. 4 Hours.  
The emphasis of this course is on the health assessment of an adult. Evidence-based health promotion and disease prevention goals, risk assessment, and client education are highlighted. In the classroom and clinical laboratory, the student will learn to gather subjective and objective data about a client’s health status utilizing face-to-face interviews and physical examination techniques, as well as by making use of a digital clinical experience. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222.

NU 211. Nursing Intervention I. 3 Hours.  
This course introduces concepts of patient care and basic nursing interventions used in caring for individuals throughout the lifespan. Learners will use the classroom and skills laboratory to gain beginning competence in nursing theory, nursing process, basic nursing skills, therapeutic communication, and critical thinking. Students will also develop an awareness of diverse cultural beliefs and values in relation to health care. A major focus will be on the nurse’s role in the safe delivery of care. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222 and SC 180 and SL 180 and NU 100 and (MS 141 or MS 180 or MS 181).

NU 212. Nursing Intervention II. 4 Hours.  
This course is the second half of NU 211 and focuses on knowledge and skills that are fundamental to nursing care throughout the lifespan and regardless of disease entity. Using the classroom, lab, and clinical placements, learners will demonstrate competence in the application of the nursing process in the planning and delivery of nursing care. Themes of growth and development, cultural diversity, evidence-based practice, and critical thinking will be threaded throughout. Skills and knowledge learned in this course are foundational to learning throughout the rest of the curriculum. Prerequisite(s): NU 211.

NU 214. Pharmacology. 3 Hours.  
This course builds upon students’ knowledge of anatomy, physiology, chemistry and the nursing process. It is designed to provide the knowledge required for the safe administration of drugs and teaching with patients across the life span. Actions, therapeutic uses, interactions and side effects of major drug classifications, as well as nursing responsibilities related to drug administration to patients across the life span are examined. Prerequisite(s): NU 211.

NU 299. Topic/. 1 Hour.  
Selected topics in nursing are considered. The course enhances students’ knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 315. Child Health. 5 Hours.  
This course addresses the care of ill children and their families. Adaptation theory will be used as the theoretical framework for nursing assessments, interventions, and evaluations. The nursing process is applied relative to this population. This course encompasses diagnostic and therapeutic techniques. Clinical opportunities are provided in the acute care setting. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234.

NU 320. Nursing Research. 3 Hours.  
Students will understand the basic concepts, processes, and applications of quantitative and qualitative research. Students will analyze the role and implication of nursing research and research within other disciplines on the nursing profession. Prerequisite(s): MS 132.

NU 322. Adult/Family Health I. 5 Hours.  
This course facilitates the integration of knowledge and skills acquired from previous courses. The emphasis is on understanding the nurse’s role in uncomplicated acute and chronic illness with predictable outcomes within changing practice environments across the spectrum of health and illness. In a learner-centered classroom and simulation environment, analytical and experiential learning activities are provided which encourage active participation in demonstrating clinical reasoning and judgment in meeting the health care needs of clients/family. The goal is for the learner to be able to approach client care conceptually, so that care is designed with a focus on prioritization and solid understanding of rationales. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 333 and SC 234.

NU 323. Adult/Family Health II. 5 Hours.  
This course facilitates students’ integration of knowledge gained from previous courses, and expands students’ knowledge from previous learning experiences. Theoretical and conceptual models and related research provide the foundation for expanding health assessment and clinical practice skills. Analytical and experiential learning activities are provided which encourage active participation in demonstrating decision-making skills and judgment in meeting the health care needs of clients/family. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234 and NU 322.

NU 324. Maternal and Newborn Nursing. 5 Hours.  
The focus of this course is the childbearing family. Concepts related to pre-pregnancy issues, pregnancy, the fetus/newborn, and the post delivery family are presented. Physiologic, social, and cultural issues, as they relate to the childbearing family, are included. Clinical experiences occur in a variety of settings, including inpatient, educational, and community settings. Prerequisite(s): SC 233 and SC 234 and SC 241 and NU 208 and NU 211 and NU 212 and NU 214.
NU 412. Community Health. 5 Hours.
This course builds upon the student’s broad base of knowledge in the natural and social sciences, humanities, and previous nursing content. Attention is directed toward assessment of biopsychosocial stressors of the individual, family, group, and community and their adaptation to changes in the environment. Prerequisite(s): NU 322 and NU 323 and NU 324 and NU 320 and NU 315.

NU 422. Community Mental Health. 5 Hours.
This course focuses on behaviors, which occur when individuals, families, and groups in the community are unable to cope effectively with acute and chronic biopsychosocial and cultural stressors. Relevant theories and theoretical formulations are used in order to promote an understanding of individual, family, group, and community dynamics. Within the framework of the nursing process, self-knowledge and intervention skills are developed which allow the student to assist individuals, families, and groups in their adaptation to internal and external stressors. Prerequisite(s): NU 320 and NU 322 and NU 323 and NU 324 and NU 315.

NU 424. Adult / Family Health III. 3 Hours.
This course is the last in a sequence of adult health. It is designed to integrate and expand previous learning, clinical and leadership experiences of the student. Students will participate in scenarios that require them to critically analyze and apply research, theories and educational models of teaching/learning processes. Clinical practice provides the opportunity to synthesize knowledge and demonstrate diagnostic reasoning, critical decision-making and delegation. Engaged ethical and clinical reasoning occurs with student’s involvement in the management of adult, family, and groups in complex clinical health care situations with expert nurse partners and faculty. This partnership creates a way to understand and guide analytical and experiential learning. These clinical partnerships take place in a variety of clinical settings. Prerequisite(s): NU 322 and NU 323.

NU 425. Nursing Senior Capstone. 1-2 Hour.
The capstone course is an opportunity for the student to demonstrate that he or she has achieved the terminal outcomes of the Husson/EMMC Baccalaureate Nursing Program. The capstone promotes connection between knowledge, skills, and attitudes learned in both general education and nursing courses. This course is student centered and student directed and will facilitate the graduate’s transition to the professional world. Prerequisite(s): NU 315 and NU 320 and NU 322 and NU 324.

NU 426. Policy Leadership and Management in Nursing. 3 Hours.
This course provides a conceptual and practical basis for examining professional nursing leadership roles. Emphasis is placed on accountability in regulated systems, management of complex organizations, and principles of advocacy aimed at the promotion of health and quality health systems. Prerequisite(s): College Level=Senior.

NU 431. Wound Management. 3 Hours.
Focus is on utilization of the Nursing Process in the provision of care to clients with chronic wounds. Emphasis is placed on client/family education and the use of evidence-based practice in wound management. Prerequisite(s): NU 208 and NU 212.

NU 432. Caring, Spirituality & Culture. 3 Hours.
This course is designed to provide the undergraduate nursing student with a working knowledge of how the concepts of caring, culture and spirituality influence health status and health related behaviors. The focus of the course is to explore these concepts, their meanings and implications, and to utilize the concepts when providing or planning holistic nursing care for diverse clients, families, groups, and communities.

NU 433. Gerontological Nursing. 3 Hours.
Course is to address the professional nursing role in providing and coordinating health care for the elderly population. Content provided is to address physical, emotional, social and spiritual needs of older adults. The nursing process will identify individual and family issues for professional nurse to serve as a conduit for skills and information to promote successful aging. Prerequisite(s): NU 208 and NU 212.

NU 435. History of Women's Health. 3 Hours.
An elective course that explores the progression of the women's health movement in the U.S. from the 1800's to present day. Ideas about women's bodies as an entity of wellness and illal in the context of medicine and the feminist movement will be discussed and researched in this seminar-type class. The student will gain an understanding of the struggles as well as the accomplishments of important historical figures and their concepts. Traditional women healers from lay to professional will be researched for an understanding of how women receive health care in 2008. Race, ethnicity, disability, sexuality and class will be examined looking at individual perspectives of health and care. Prerequisite(s): NU 208 and NU 212.

NU 441. Role Transition to BSN. 3 Hours.
In this course, students examine the transition of the Registered Nurse (RN) to the professional role of pursuing an advanced degree at the baccalaureate or graduate level. As the entry course for the RN-to-BSN program, students are provided with networking and mentoring opportunities with peers and faculty. Professional bases for nursing practice, critical abilities for today's professional nurse, and role of continuous quality improvement and safety in healthcare systems are explored. This course is offered in a hybrid format.

NU 442. Health Informatics & Technology. 3 Hours.
In this course, students explore the changing technology environment and its potential impact on the delivery of quality, safe patient care. The course combines knowledge of nursing, computers and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: (a) technology's impact on nursing work flow, (b) legal and ethical considerations associated with select technology, and (c) the impact of technology on the changing role of the nurse. This course is offered in a hybrid format.

NU 443. Quality Improvement in Healthcare Systems. 3 Hours.
In this course, students are introduced to competencies necessary for studying clinical microsystems and examining their influence on patient safety, satisfaction, and other clinical outcomes. Students will apply: (a) quality improvement assessment tools and models within a microsystem, (b) continuous quality improvement theory, (c) evidence-based practice, (d) performance improvement methods, and (e) the development of team-based problem solving and resolution. This course is offered in a hybrid format.
NU 444. BSN Capstone Practice (with 42 Practicum Hours). 3 Hours.
This is the culminating scholarly experience in the RN-to-BSN program of study. Students will focus on synthesis and integration of complex concepts relevant to their scope of practice, and leadership and management skills in complex organizational environments. Emphasis is placed on the application of leadership principles through an evidence-based capstone project. This course is offered in a hybrid format. Prerequisite(s): NU 441 and NU 442 and NU 443 and NU 706 and NU 710 and NU 740.

NU 499. Topic/. 1-3 Hour.
Selected topics in nursing are considered. The course enhances students' knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 700. Theories and Roles for Advanced Nursing Practice. 3 Hours.
This course is designed to provide an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. The importance of the role of the Advanced Practice Nurse in Interprofessional Collaboration is also explored. Emphasis is placed on the relevant historic, current and future practice issues inherent in the varied aspects of advanced practice nursing. The course also examines legislative issues and trends at both state and national levels, as they relate to the effective and appropriate role of advanced practice nurses within our rapidly changing healthcare system.

NU 701. Theories for Advanced Nursing Practice. 2 Hours.
This course provides an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. These theories reflect important contributions from both the nursing profession and non-nursing disciplines. The course provides a historical perspective and analysis of nursing theorists from Nightingale to emerging theorists and includes an introduction to theories fundamental to advanced practice nursing, such as role theory and family nursing theory.

NU 702. Advanced Pharmacotherapeutics. 3 Hours.
This course builds upon undergraduate understanding of pharmacological principles and agents by preparing students to evaluate and prescribe medications for common acute and chronic health problems seen in the primary care setting. Students will examine the regulatory aspects of drug administration and prescription from the perspective of advanced nursing practice. The focal point of the class will be the development of clinical decision-making skills essential to safe and effective pharmacologic intervention. Current concepts in pharmacologic therapies as part of the treatment of commonly encountered health problems will be stressed. The importance of collaboration between Advanced Practice Nurses and Pharmacy colleagues will be addressed, particularly in regard to patient safety and treatment efficacy. Prerequisite(s): NU 700 and NU 706.

NU 703. Roles for Advanced Nursing Practice. 2 Hours.
This course provides an in-depth analysis of the role of the advanced practice nurse. That knowledge is needed to conceptualize and identify with relevant historic, current and future practice issues inherent in the role. Both state and national legislation and trends are addressed, as they relate to the effective and appropriate use of advanced practice nurses within the rapidly changing healthcare system.

NU 704. Advanced Health Assessment. 3 Hours.
The focus of this course is the assessment of total health status of adult patients. The course is designed to enable the student to develop diagnostic reasoning skills and to utilize a regional approach to physical examination. Instruction builds upon the health assessment skills of the experienced RN/BSN and includes a laboratory practicum that provides the student with opportunities to apply new knowledge and practice in the areas of physical examination. Students will perform complete physical exams on each other and standardized patients — obtaining health histories, performing physical examinations and documenting findings. Along the way, students will learn more about the importance of providing high-quality care that is culturally competent, the process of developing a list of Differential Diagnoses and appropriate ordering of diagnostics. Prerequisite(s): NU 700 and NU 706.

NU 705. Advanced Psychopharmacology. 3 Hours.
This course reviews the application of pharmacotherapeutic principles to psychiatric disorders across the lifespan. Major class of medications include antidepressants, mood stabilizers, psychostimulants, antipsychotic medications, anxiolytics and off label use. Students review in detail the indications, contraindications, side effects and adverse reactions and drug interactions. In addition, the course addresses the use of herbal remedies, homeopathy and diet. The course places special emphasis on the applications of psychopharmacology to clinical case studies across the lifespan, including children, adolescents, adults, and geriatric populations. Prerequisite(s): NU 700 and NU 702 and NU 706 and NU 707.

NU 706. Advanced Pathophysiology. 3 Hours.
This course examines the reaction of the body to disease throughout the lifespan. Using a conceptual approach that is designed to integrate knowledge from basic and clinical sciences, it focuses on alterations in biological processes which affect the body's dynamic equilibrium. Alterations at the cellular and organ level are presented and include genetic, metabolic, infectious, immunologic, degenerative, and neoplastic processes. Clinical problems will be developed and explored to facilitate the acquisition of critical thinking, problem-solving and evaluation skills needed by practitioners in the management of clients with chronic and acute health problems.

NU 707. Neurobiology. 3 Hours.
This course focuses on the study of brain, mind and behavior and examines the neuroanatomical, neurophysiological, and biochemical foundations of cognition, mood, emotion, affect, and behavior and the interactions among them. It takes into consideration both internal and external influences across a person's life span. Included is an overview of brain functioning and mechanisms of neurotransmission, genetics, the effects of other body systems such as the endocrine and immune systems, temperament, and the environment. Prerequisite(s): NU 706.

NU 710. Nursing Research. 3 Hours.
This course explores the principles and uses of the research process in Advanced Practice Nursing. The graduate nursing student will become an active participant in the research experience and be prepared to develop, write and present a research proposal. Content will focus on evidence-based practice, understanding the role of a nurse practitioner as researcher, and the development of a research proposal that will be the foundation and beginning process of their scholarly project. Students are strongly encouraged to develop a proposal that includes interprofessional collaboration. Prerequisite(s): NU 700.
NU 722. Adv Mental Hlth Asmt Across the Lifespan (168 Clinical Hrs). 5 Hours.
This course is designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 740. Public Health Policy Issues and Challenges. 3 Hours.
This course is designed to provide the graduate student with an opportunity to explore and evaluate the political process, fiscal policies, and their impact on public health and the health care system. The use of sociopolitical and ethical frameworks are interwoven with policy development. Opportunities are provided for students to critique public policy and determine how the behavior of health professional’s impact governmental decisions and regulatory processes. Students will explore legislative processes, state/federal policies, and analyze current legislative and policy issues.

NU 799. Special Topics in Nursing. 1-3 Hour.
Selected topics in nursing are offered under the guidance of graduate faculty. The course enhances students knowledge of advanced practice nursing, building on previous knowledge of nursing and healthcare in today’s complex and rapidly changing healthcare system. This course may be used as an elective in the student’s program of study and may be taken more than once as long as different topics are taken.

NU 801. Adv Mntl Hlth Assmt Across the Lifespan(168 Clinical Hrs). 5 Hours.
NU 801 is a hybrid course designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 802. Family Health II -- Adult-Gero Health (168 Internship Hours). 6 Hours.
This course explores relevant practice issues in the health care of adults and families. Primary focus is on the assessment of acute and chronic health problems experienced by this population, as well as health promotion/disease prevention activities. The precepted internship experience gives students an opportunity to provide primary care to adults of any age. In the course, students continue to further explore the interprofessional collaborative role in both the classroom and clinical setting. Prerequisite(s): NU 700 and NU 702 and NU 704.

NU 806. Family Health IV-Integrating Primary Care (168 Intern. Hrs.). 6 Hours.
This is the culminating internship course in the program. The focus is on synthesizing the knowledge and clinical management skills from previous courses in preparation for the transition from graduate student to novice nurse practitioner. The course emphasizes the importance of integrating patient care by collaborating with other healthcare providers particularly in regard to improving patient safety and health outcomes. Students take part in seminars that allow them to thoroughly explore both clinical and non-clinical issues frequently noted in primary care. At the same time, students become familiar with the newest clinical guidelines for disorders most commonly seen in primary care. Information is provided and discussed in four on-campus/virtual sessions, weekly Journal Club requirements and will culminate with the presentation of Capstone projects. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 802 and NU 807 and NU 808.

NU 807. Family Health I -- Pediatrics (168 Internship Hours). 6 Hours.
The focus of this course explores theories and the practice of health care for children from infancy through adolescence within a context of family health care. The course will focus on health promotion and acute and chronic illness conditions experienced by these childbearing and childrearing families. This course will focus on health-illness issues experienced by this population in underserved rural and urban areas. The clinical practicum experience will present the advanced practice nursing student with clinical experience in assessing, planning, and managing care for families in these age groups at a variety of clinical sites. Opportunities will be available in both the classroom and clinical setting to further explore the roles inherent to the advanced practice nurse who provides primary health care to these clients. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 808. Family Health III -- Women’s Health (168 Internship Hours). 6 Hours.
This course explores the theories and practice of healthcare for women within the context of the family. It also focuses on health promotion and acute or chronic illness that may be experienced particularly by childbearing families. The internship will present the family nurse practitioner student with precepted experiential learning in assessing, planning and managing women’s health from a primary care perspective. Particular emphasis will be placed on the importance of collaborating with other health care professionals in order to achieve patient safety and optimal health outcomes. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 809. Adv Women’s Health Assessment II (w/168 Intern Hrs). 6 Hours.
Building on previous study in women’s health, students begin to critically examine and address concepts and research related to issues of women from adolescence to menopause. This course focuses on the advanced practice nursing knowledge necessary for the comprehensive assessment and health management of individuals and families during the childbearing years. Particular attention will be paid to the pre-, ante- and post-natal periods. Concepts include human sexuality, disease prevention, pregnancy/childbirth and urogynecological issues as well as the social and political determinants of health. Prerequisite(s): NU 808.
NU 810. Family Psychiatric Nursing I (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner's role in the delivery of mental health care for mentally ill individuals and families across the lifespan. Students examine the theories relevant to family therapy and individual psychotherapy, as well as psychopharmacological and alternative treatments. Practicum experiences focus on student application of family interventions and therapy as well as individual interventions and psychotherapy in acute and chronic care settings. Populations include children, adolescents, adults, and geriatric individuals. Prerequisite(s): NU 702 and NU 705 and NU 710 and NU 722.

NU 811. Women's Health Issues - A Public Health Approach to Care & Pol. 3 Hours.
Consistent with the emerging definitions of women's health and women's health practice, this course examines a full range of health issues unique to women. Women's health specialization includes prevention, the societal and political determinants of health, patient education and reconceptualization of women's relationships with health care providers. Health assessment and maintenance as well as disease identification and treatment will be presented on a wellness to illness continuum. Students develop a woman-centered holistic approach to care--the central concept in women's health nursing practice.

NU 812. Family Psychiatric Nursing II (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner's role in the delivery of primary mental health care across the lifespan. The course emphasizes promoting optimum mental health, preventing mental illness, health maintenance, and preventing new occurrences of mental illness. Students examine theories relevant to group therapy interventions and consultation, as well as psychopharmacological and alternative treatments. The advanced practice nursing student will develop interventions and programs that reduce stressors and maximize mental health for individuals of all ages and communities. Prerequisite(s): NU 810.

NU 813. Advanced Women's Health Assessment III (w/168 Intern Hrs). 6 Hours.
Students in this course will examine the unique issues and needs of the peri- and post-menopausal woman. There will be significant focus on the issues of healthy aging, sexuality, urogynecologic and hormonal changes affecting women as they move beyond the childbearing years. Prerequisite(s): NU 808 and NU 809.

NU 814. Family Psychiatric Nursing III (210 Clinical Hours). 6 Hours.
In this course, the psychiatric nurse practitioner's role is further developed as the learner integrates psychiatric theory and practice skills while intervening with the chronic mentally ill in rural settings. Emphasis is on integration of psychotherapeutic, pharmacological, alternative therapeutic approaches, including crisis intervention and case management. During the practicum experiences, students coordinate care and advocate for special populations of individuals, families, and groups across the lifespan. Prerequisite(s): NU 812.

NU 816. Psychiatric NP Internship/Practicum. 3 Hours.
Class - 1.5 Credits, Clinical - 9 Hours/Week (Total 126 Hours) This is an intensive clinical internship that prepares students to practice in the role of a psychiatric nurse practitioner. Building on biopsychosocial theories, the student will deliver comprehensive holistic primary mental health care to clients. Students will conduct comprehensive assessment, including diagnosis of and referral for physical health problems. Additionally, clinical experiences will include ordering and interpreting laboratory and diagnostic studies. Comprehensive medication management of psychiatric clients will include an in-depth knowledge of psychotropic medications, acceptable prescribing practices and monitoring for side effects and efficacy. Students will present case studies with decision-making trees during seminars to explore relevant clinical and non-clinical issues. Prerequisite(s): NU 702 and NU 704 and NU 706.

NU 818. Family Psychiatric Nurse Practitioner Practicum. 2 Hours.
This is an intensive clinical internship that prepares students to practice in the role of a family psychiatric nurse practitioner. It will broaden the depth of content and practice that students have already assimilated in the areas of child and adolescent psychotherapy and psychopharmacology. Building on biopsychosocial theories, the student will deliver holistic primary mental health care to clients. Students will conduct comprehensive assessments, including diagnosis of and referral for physical health problems. Clinical experiences will be on therapeutic treatment modalities and interventions with children and adolescents, including therapy and psychopharmacology. Therapy content will cover a range of therapeutic interventions from analytical to behavioral, family, individual and group and long term to brief therapy. Psychopharmacological content will include ordering and interpreting laboratory and diagnostic studies, in-depth knowledge of psychotropic medications, acceptable prescribing practices, monitoring for side effects and efficacy, risk verses benefit and an understanding of normal growth and development and what constitutes psychopathology. Students will present case studies with decision-making trees during seminars to explore relevant clinical and non-clinical issues.

NU 830. Teaching Learning Theories & Strategies in Health Education. 3 Hours.
This course focuses on the theoretical foundations and strategies of teaching and learning in health education. The graduate health student will explore the various learning theories and pedagogical frameworks that guide the selection of instructional and learning strategies essential for both faculty and students. Content will be delivered using a variety of methodologies – classroom, multi-media on-line and on-line blog-type discussion format. Course participants will identify the differences and similarities in the learning theories specific to basic procedures of learning, assumptions made about such learning, the role of the educator, various sources of motivation to learn, and methods by which the transfer of learning is accomplished. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.

NU 832. Curriculum Development in Nursing Education. 3 Hours.
This course focuses on curriculum development that reflects contemporary health care trends and prepares graduates to function effectively within the context of continuously evolving nursing, health care and educational systems. In this course the graduate nursing student will design a curriculum that reflects institutional philosophy and mission, current nursing and health care trends, and community and societal needs so as to prepare nurses for practice in a complex, dynamic, multicultural health care environment. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.
NU 834. Assessment and Evaluation in Nursing Education. 3 Hours.
This course is designed to introduce learning evaluation concepts, including test and measurement, at the didactic, clinical, and programmatic levels. Course content will include strategies to assess and evaluate learning in the cognitive, psychomotor, and affective domains. Quality improvement, as well as legal and ethical considerations is explored within these concepts. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 740 and NU 710 and NU 730.

NU 836. Informatics and Technology in Health Education. 3 Hours.
The 3 credit course will explore the changing technology environment and its potential to impact on the delivery of quality, safe patient care. Infusing technology into educational programs is vital in preparing students to understand and meet the demands of caring for today’s patient populations. The course facilitates and enhances healthcare student’s knowledge, skills, and abilities to apply meaningful use of technology within their respective program of study. Focus will combine knowledge of healthcare professional, computers, social media, and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: technology’s impact on health profession work flow, legal, ethical and security considerations associated with select technology, and the impact of technology on the changing roles in healthcare will be discussed as they apply to clinical and consumer information technologies.

NU 838. Internship/Clinical Practicum in Nursing Education. 2-4 Hours.
This is the capstone clinical course in the nurse educator track. It involves the synthesis, refinement, and application of nursing, education, and evaluation theory in a variety of educational settings and integrated seminars. The bi-weekly seminars are framed within the context of established nurse educator scope of practice (NLN, 2005) and competencies (Council on Collegiate Education for Nursing, 2002; NLN, 2005) and students apply these in a variety of diverse academic and clinical settings under expert preceptor guidance. Graduate nursing students will create and share comprehensive portfolios demonstrating their ability to plan, deliver, assess and refine effective professional education offerings in varied settings with diverse learners. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740 and NU 830 and NU 832 and NU 834 and NU 836.

NU 840. Nurse Educator Capstone. 1-3 Hour.
This is the culminating scholarly experience in the master’s program. Graduate nursing students will demonstrate mastery of one particular subject area in their specialty track by developing a scholarly project including an evidence based review of that topic. The Department of Nursing relies upon the definition of scholarly work provided in the American Association of Colleges of Nursing’s Position Statement on Defining Scholarship for the Discipline of Nursing (1999) that include significance to the profession, creativity, documentation, replication and peer review. The course allows students to develop such a project in close advisement with a faculty mentor(s) and to present that scholarship through a formal presentation, submitted paper, and a manuscript for publication or professional presentation. Prerequisite(s): NU 710.

NU 841. Family and Community Nurse Practitioner Capstone. 1-3 Hour.
This course is the culminating scholarly requirement for those in the MSN/FNP track. Graduate nursing students work together, in groups of two to four, to demonstrate mastery of a particular subject area significant to interprofessional primary care practice. A final paper, poster and oral presentation are required; submission of a manuscript for publication is optional. This course is offered on a one credit per semester basis in three of the four final semesters of coursework, for a required total of three credits. Prerequisite(s): NU 700 and NU 710.

NU 842. Family Psychiatric Nurse Practitioner Capstone. 1-3 Hour.
This is the culminating scholarly experience in the master’s program. Through this experience, graduate nursing students demonstrate mastery of a particular subject area in their specialty track by developing a scholarly project, including an evidence-based review of that topic. The scholarly project is based on factors used by the American Association of Colleges of Nursing’s Position Statement on Defining Scholarship for the Discipline of Nursing (1999) that include significance to the profession, creativity, documentation, replication and peer review. The course allows students to develop such a project in close advisement with a faculty mentor(s) and to present that scholarship through a formal presentation, submitted paper, and a manuscript for publication or professional presentation. Prerequisite(s): NU 710.

RN/BSN

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## RN/BSN/MSN - Family & Community Nurse Practitioner

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### Total Hours

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## RN/BSN/MSN - Family Psychiatric Nurse Practitioner

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</tr>
</thead>
<tbody>
<tr>
<td>NU 441</td>
<td>Role Transition to BSN</td>
<td>3</td>
</tr>
<tr>
<td>NU 442</td>
<td>Health Informatics &amp; Technology</td>
<td>3</td>
</tr>
<tr>
<td>NU 443</td>
<td>Quality Improvement in Healthcare Systems</td>
<td>3</td>
</tr>
<tr>
<td>NU 444</td>
<td>BSN Capstone Practice (with 42 Practicum Hours)</td>
<td>3</td>
</tr>
<tr>
<td>NU 700</td>
<td>Theories and Roles for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NU 702</td>
<td>Advanced Pharmacotherapeutics</td>
<td>3</td>
</tr>
<tr>
<td>NU 704</td>
<td>Advanced Health Assessment</td>
<td>3</td>
</tr>
<tr>
<td>NU 706</td>
<td>Advanced Pathophysiology</td>
<td>3</td>
</tr>
<tr>
<td>NU 710</td>
<td>Nursing Research</td>
<td>3</td>
</tr>
<tr>
<td>IP 730</td>
<td>Interprofessional Collaboration in Rural Public Health</td>
<td>3</td>
</tr>
<tr>
<td>NU 740</td>
<td>Public Health Policy Issues and Challenges</td>
<td>3</td>
</tr>
<tr>
<td>NU 722</td>
<td>Advanced Mental Health Assessment Across the Lifespan (168 Clinical Hours)</td>
<td>5</td>
</tr>
<tr>
<td>NU 810</td>
<td>Family Psychiatric Nursing I (210 Clinical Hours)</td>
<td>6</td>
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<tr>
<td>NU 812</td>
<td>Family Psychiatric Nursing II (210 Clinical Hours)</td>
<td>6</td>
</tr>
<tr>
<td>NU 814</td>
<td>Family Psychiatric Nursing III (210 Clinical Hours)</td>
<td>6</td>
</tr>
<tr>
<td>NU 842</td>
<td>Family Psychiatric Nurse Practitioner Capstone Students may take this course multiple times to gain a total of 3 credits.</td>
<td>1-3</td>
</tr>
</tbody>
</table>

### Total Hours

121-123

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## Occupational Therapy

The School of Occupational Therapy at Husson University is considered an entry-level Master's program and offers multiple entry options for students wanting to become an occupational therapist. Students
entering directly from high school apply to the BS/MS program while those who already have an undergraduate degree apply to the MS-only.

Entry-level BS/MS students apply to enroll in the BS Health Care Studies – Occupational Therapy track. The first two years of coursework for this track emphasize foundational general education courses and Healthcare Studies content. The third year begins the professional phase of formal Occupational Therapy coursework. Healthcare Studies-Occupational Therapy majors meeting the progression criteria described below are not required to submit an additional application before progressing to the professional phase of study. The BS/MS program awards a BS in Health Care Studies after successful completion of four years of study and an MS in Occupational Therapy after successful completion of the fifth year of study.

Students currently enrolled at Husson University can apply to transfer into the program from another major within the first two years of general undergraduate study. Undergraduate students from another institution may also apply to transfer into Husson University during the pre-professional phase. All undergraduate transfer students must meet the same criteria for grades and GPA as students who are enrolled from the first year and will be expected to fulfill the requirements for the BS in Health Care Studies. All undergraduate transfer students, from Husson University and from other schools, must also fulfill the shadowing requirement described for first year applicants prior to being admitted to the Occupational Therapy track. Finally, undergraduate transfer students are also required to complete an essay provided by the School of Occupational Therapy. Applicants may be admitted to the Healthcare Studies major prior to completing these requirements and then apply to transfer into the Occupational Therapy track once these requirements are completed. The number of seats available for transfer students varies from year to year and is competitive. Please be aware that meeting minimum requirements for application does not guarantee transfer acceptance.

Applicants who have completed a 4-year undergraduate degree in another major from Husson University or from another institution who would like an entry-level degree in occupational therapy can apply for the MS-only program. Please see the following section of the catalog for information specific to the MS-only graduate program in Occupational Therapy.

Mission Statement and Educational Goals
The mission of the Husson University School of Occupational Therapy is to prepare generalist practitioners who engage in client-centered contemporary practice and scholarship. We achieve this professional preparation by focusing on the following educational goals:

Goal 1. Provide a learning environment that ensures the development of professional and personal leadership skills and values grounded in ethics and self-reflection;

Goal 2. Promote best professional practice by developing students’ appreciation of health, wellness and meaningful participation in life through occupational engagement within and across diverse contexts and environments; and

Goal 3. Foster the development of evidence-based critical thinking and clinical reasoning in support of life-long learning.

Accreditation
The following statement is from the website (http://www.aota.org/education-careers/accreditation.aspx) for the American Occupational Therapy Association (AOTA®).

Accreditation has been a stated function of AOTA since 1923. AOTA’s Accreditation Council for Occupational Therapy Education (ACOTE®) is recognized as the accrediting agency for occupational therapy education by both the United States Department of Education (USDE) and the Council for Higher Education Accreditation (CHEA). ACOTE is also an active member of the Association of Specialized and Professional Accreditors (ASPA). ACOTE currently accredits 378 occupational therapy and occupational therapy assistant educational programs in the United States and its territories.

The School of Occupational Therapy at Husson University was initially accredited in 2003 and has been continuously accredited since then. The next accreditation review will occur in the academic year 2022/2023.

Additional information about AOTA can be obtained on the AOTA webpage (http://www.aota.org/). AOTA and ACOTE can be contacted at 4720 Montgomery Lane, Suite 200, Bethesda Maryland 20824-3449. ACOTE’s telephone number c/o AOTA’s is (301) 652 AOTA. The web address for ACOTE is: http://www.aota.org/ and for more information about accreditation please see: http://www.aota.org/Education-Careers/Accreditation/Overview.aspx.

Certification and Licensure
Once students graduate with the MS in Occupational Therapy, they are eligible to take the National Board for Certification in Occupational Therapy (NBCOT) examination. Their address is: 800 S. Frederick Ave., Suite 200, Gaithersburg, MD 20877-4150 (301) 990 7979. After successful completion of this exam, you will be an Occupational Therapist Registered (OTR). All states require licensure in order to practice, however, state licenses are usually based on the results of the NBCOT examination. Please be aware that a felony conviction may affect a graduate’s ability to sit for the NBCOT examination or attain state licensure.

Admission Criteria (BS Healthcare Studies/ MS Occupational Therapy)
For the BS/MS program applicants must meet the following criteria:

• Combined SAT I scores of 1400 for combined Math, Verbal, and Writing sections (or ACT equivalent)
• A high school average of 85 (3.0) GPA
• Two letters of recommendation
• Successful completion of courses in math, biology and chemistry; physics and psychology are recommended but not required
• A written essay, and
• A minimum of 20 hours as a volunteer or “shadowing” a clinician in at least two areas of Occupational Therapy is required

Volunteering or shadowing can be accomplished in a number of ways. Ideally, applicants will actually spend time with an Occupational Therapist to have a better understanding of the rolls and responsibilities of the profession. Alternately, volunteering can be done in a range of settings (medical, educational or recreational) and does not have to be
under the supervision of an Occupational Therapist. The goal is to spend time with individuals who require services from the helping professions to better appreciate the experience of working in the field. Time spent with a family member will not be counted towards this requirement.

All students in the School of Occupational Therapy must possess the essential skills and behaviors required of a professional therapist. Therefore, all occupational therapy students must possess the essential qualifications, referred to as Technical Standards, listed at the end of this document to meet admission, progression, and graduation requirements. Your application to this program indicates that you have read the Technical Standards and are qualified to meet them.

Financial Aid
A freshman-entry Occupational Therapy student is classified as an undergraduate student for the first four years, and as a graduate student in the fifth year. As a five year program please be aware that as you progress through the program your student status will change and that may have an impact on some forms of financial aid. Please contact the Office of Financial Aid with your specific questions regarding financial aid.

Academic Progression Policies (BS Healthcare Studies/ MS Occupational Therapy)
In order to remain enrolled and progress in the Occupational Therapy program, a student must meet the following requirements:

Undergraduate students

• If students have less than a 2.0 GPA at the end of their first academic year, they will be required to establish a learning contract for the following semester (including a referral to the Center for Academic Service).
• All first and second year coursework must be completed successfully before beginning the professional phase of coursework. Transfer students must also meet this standard.
• All students must attain a cumulative GPA of 3.0 by the end of the spring semester of the second academic year in order to begin the professional phase of courses. Students who do not meet this standard will no longer be allowed to remain in the occupational therapy track of the HS degree Occupational Therapy faculty cannot be advisors for students who are not occupational therapy majors.
• In the event the number of students progressing from the second academic year to the professional phase (third year) exceeds program capacity, those with the higher overall GPA will have priority.
• Students transferring into the professional phase (MS only) must also meet the same criteria of a minimum cumulative GPA of 3.0.

All Occupational Therapy students – Undergraduate and Graduate

• All third year professional courses must be completed successfully with a grade of C+ or better in order to progress to the fourth year. All fourth year professional courses must be completed successfully with a grade of C+ or better in order to progress to Fieldwork Level II clinical experiences and to the fifth year of professional courses. This includes a letter grade of “Pass” for all Level I Fieldwork courses.
• Students are expected to be fulltime during the professional phase of the program. Under exceptional circumstances students may petition to be part-time. If the request is granted by the Faculty there is a prescribed sequence of courses students must take. Part-time students must complete the professional phase within 5 years of starting the professional phase whether they started as full time or part time students. All students must enroll fulltime in the final graduate year, known as the "5th year" in the curriculum. Again, exceptions will be considered on a case-by-case basis but will be the exception rather than an expectation.
• Students in the Occupational Therapy program must obtain at least a “C+” (77%) or better in all Occupational Therapy core courses to remain in the Occupational Therapy program. Transfer students must meet the same criteria of receiving at least a “C+” in all Occupational Therapy core courses.
• A maximum of three courses in total may be repeated, excluding A&P labs. Of those a maximum of two professional level courses may be repeated.
• Attain and maintain a minimum 3.0 GPA in order to progress each semester in the graduate years (3rd, 4th and 5th) of the program.
• No more than six (6) credits of graduate course work in the “C+” range can be applied toward the Masters degree.
• Grade deficiencies should be removed during the subsequent semester or during Summer/Winter/May sessions whenever possible. For programmatic purposes, successfully repeating a course does not negate the original grade.
• Students must demonstrate professional behaviors as outlined in the Occupational Therapy Association Code of Ethics and Ethics Standards, 2010. Professional behaviors are considered for progression in the program and students may be dismissed from the program for violating the policy regardless of academic standing.

Course Repeat Policy
Students must repeat any core course in which they do not achieve a grade of 77% or better the first time they are enrolled in the course. When a course is repeated, a grade of “B” (83%) is required in order to progress. A student who receives less than “B” (83%) the second time they take a core course may be dismissed from the OT program. Any withdrawal grade is considered an enrollment in the course.

Prerequisite Pre-professional Courses
The following courses are prerequisite courses for all students and must be completed before the professional phase. All of the following prerequisite courses must be completed with a grade of “C+”(77%) or better.

- PY 111 General Psychology
- SC 221 Anatomy – Physiology I
- SL 221 Anatomy – Physiology Lab
- SC 222 Anatomy – Physiology II
- SL 222 Anatomy – Physiology Lab
- SY 201 Principles of Sociology (or)
- SY 222 Cultural Anthropology
- PY 141 Human Growth and Development (Lifespan)
PY 232 Abnormal Psychology
MS 132 Probability & Statistics
SC 224 Research Design OR PY 242 Research Methods

Credit Hours

A) The credit hour translation used by the School of Occupational Therapy Program is consistent with the Carnegie Classification.

One (1) credit hour =

- 1 lecture hour
- 2 lab hours
- 2 seminar hours
- 13 hours of community service with assignments

B) Fieldwork requirements are reflected as:

- There are three Level I Fieldwork experiences consisting of 40 hours of experiential learning in combination with didactic coursework; each Level I Fieldwork is 1 credit hour.
- As dictated by the AOTA accrediting body, ACOTE, Level II Fieldwork requires a minimum of 24 weeks full-time placement for occupational therapy students. Typically, this is accomplished in two, 12 week placements. Each 12 week Level II Fieldwork placement is 6 credit hours for a total minimum of 12 credits hours of Fieldwork Level II. (ACOTE Standard C.1.13)

Grading Policies

- The system of evaluating a student’s achievement at Husson University in academic courses is by letter grade, with grade point values based upon an earned credit unit (see Husson University Catalog Academic Policies section – Grading system).
- The system of evaluating a student’s achievement in clinical fieldwork courses (Fieldwork Levels I & II) is by Pass/Fail grade. Fieldwork I is evaluated using the Maine Occupational Therapy Educators Alliance (MOTEA) - Evaluation form. Fieldwork Level II achievement is graded according to the "AOTA Fieldwork Evaluation for the Occupational Therapist" form (page 46).

Technical Standards for the School of Occupational Therapy

Introduction

The technical standards listed below are minimal technical requirements for admission to, promotion within, and graduation from this entry-level professional program. The requirements are grouped into emotional, cognitive, social, communication, physical and health/safety requirements.

Occupational therapists work with people to improve their ability to function in a variety of environmental contexts. Occupational therapy education requires not only the acquisition of academic knowledge but also technical skills, professional attitudes and professional behaviors. Before program completion, graduates must acquire a broad base of knowledge and skills required to be safe and competent clinicians. In order to accomplish this goal, students must demonstrate key functions in a relatively independent manner. In addition, in order to participate fully in the program students are required to travel to settings in the community that may have unpredictable environments. Students with sensory and/or motor limitations may be unable to perform as an occupational therapy student.

Emotional Requirements

The student must have sufficient emotional stability to perform under stress produced by both academic study and the necessity of performing occupational therapy in simulated and real client/patient situations while being observed by faculty, peers, fieldwork educators, and others. Students need to have the endurance to adapt to a physically and emotionally demanding program. Students must tolerate moderate personal stress levels to achieve success while adhering to the professional standards and requirements of the program.

Cognitive Requirements

The student must exhibit cognitive skills necessary for problem solving, clinical reasoning, and judgment. Students must integrate a variety of material with increasing complexity presented throughout the curriculum including presentations, class discussions, client/patient interviews/evaluations, and readings from textbooks, journals and medical records. Students must be able to identify and respond accurately to factual information as well as subtle non-verbal cues of mood, temperament, and gestures provided by others. Students must be attentive and be able to focus during class and field experiences to fully participate in learning environment.

Communication Requirements

The student must have appropriate social skills for forming and maintaining relationships with a variety of people including faculty, peers, fieldwork educators, clients/patients and their families/significant others. Students must demonstrate the ability to participate as an effective group member. Flexibility and maturity in all interactions is required for this program. Verbal and non-verbal communication and interactions must be respectful, civil and professional in manner, demeanor and tone.

Social Requirements

The student must be able to communicate in written and oral English with faculty, peers and clients in the classroom, clinical settings and community. Communication skills include oral speech, reading and writing in order to be able to complete written and oral assignments. Students must be able to communicate in English effectively and sensitively with patients.

Physical Requirements

Each student must be willing to submit to screening, examination and therapeutic treatment, by student partners, of either gender, to practice therapeutic techniques which may include physical contact. This will always be closely supervised by faculty and in the context of appropriately professional limits.

- Motor

Students must have sufficient motor function to obtain information from patients/clients by palpation, auscultation, percussion, and other standardized and non-standardized evaluative procedures. They must be able to execute motor movements reasonably required to provide general occupational therapy, including the strength to perform cardiopulmonary
resuscitation, lift and transfer patients, and be able to stand/sit long periods of time. Many procedures require coordination of both gross and fine muscular movements, equilibrium, and functional use of the senses. For this reason, students must have manual dexterity including function of wrists, hands, fingers, and arms in order to have the ability to engage in procedures involving grasping, manipulating, pushing, pulling, holding, extending, and rotation.

• Speech

Ability to speak clearly in order to communicate with faculty, peers, fieldwork educators, clients/patients, physicians, and others; need to be understood on the telephone.

• Vision

The student must able to observe demonstrations and participate in laboratory aspects of the curriculum. Students must be able to observe patients and obtain relevant, meaningful assessment information from this observation. As such, students must have visual perception, which includes depth and acuity. They must also be able to read documents such as medical records, textbooks, and computer screens.

• Hearing

Sufficient to accurately hear on the telephone, discriminate sounds in the environment for safety, communicate with people, listen and assess through the stethoscope to discriminate sounds. It is possible to use compensatory aides and assistive technology such as hearing aids.

• Touch

Ability to palpate both superficially and deeply for tasks such as discrimination of tactile sensations and facilitation of body movements.

Health and Safety Requirements

Students must display good self-awareness of personal health practices and hygiene. They must understand the importance of good personal health habits and the prevention of disease/infection. They must display an awareness of personal issues and report any that would potentially interfere with their ability to competently care for others.

Students must complete the requirements listed below by mid-term of the first semester of the third year (professional phase) of the occupational therapy curriculum. All of these requirements must be kept up-to-date throughout the professional phase of the program and throughout Level II Fieldwork. The list below is a minimal list; more detailed and specific information will be provided to you as you approach the professional phase of your education to assure compliance with these requirements.

A. Immunizations:

a. Measles, Mumps and Rubella (MMR)

b. Polio series

c. 2 step-Tuberculin series (only the initial year requires a 2 step procedure and subsequent years require one step)

d. Tetanus, diphtheria and pertussis (Tdap) booster (every 10 years),

e. Varicella titer (determined through a blood draw as having had chicken pox is not sufficient to avoid getting it again, a titer assures a level of protection)

f. Hepatitis B series – must be started by September of the third year, or professional phase (they are administered over a span of several months)

B. Current CPR Certification for children and adults; (American Red Cross or American Heart Association approved)

C. Personal Health Insurance (Husson University or private)

D. Fingerprinting (through Maine State Department of Education)

E. Criminal Background check to be provided by an approved source to be identified by the School of Occupational Therapy; we are currently using Certified Background.

F. E-Learning (HIPAA, OSHA) Modules on Certified Profile

It is the policy of Husson University, School of Occupational Therapy to provide reasonable accommodation to qualified students with a disability so they can meet these essential requirements in accordance with the Rehabilitation Act of 1973 and the Americans with Disability Act of 1990. Whether or not a requested accommodation is reasonable will be determined on an individual basis.

HS Courses

HS 100. Overview of Careers in Health Care. 1 Hour.
This course introduces the students to the different employment possibilities for a Health Care Studies graduate. Seminars will feature invited speakers to discuss how their company works and what positions they might have for a graduate in Health Care Studies. In addition Students can visit different facilities to see first-hand how their studies in Health Care can be applied to different job settings through virtual tours.

HS 101. Introduction to Health Care Studies. 3 Hours.
This course will introduce the students to the health care industry, and will consist of lectures, readings, discussions, and visiting professionals. While the principal goal will be to inform students of the necessary skills needed to succeed in the health care field, a secondary goal will have the student be able to articulately describe the background to almost any article relating to the challenges of national health care.

HS 121. Medical Terminology. 3 Hours.
This course introduces students to the language used in describing and coding of clinical visits, medical procedures and on medical forms. The ability to understand complex medical terms will be gained by the analysis of prefixes, word roots and suffixes. Coding of diseases (ICD-9) and medical insurance language will also be emphasized.

HS 299. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer courses in health care studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

HS 301. Introduction to Public Health. 3 Hours.
This course is an introductory overview of the U.S. Public Health System with an emphasis on the core areas of public health, challenges and strategies for working with communities, and specific health issues that impact the health of the population. We will look at environmental and behavior factors associated with health promotion and disease prevention and view different national programs and programs going on in Maine.
HS 311. Healthcare Management and Organization. 3 Hours.
This course will introduce junior year students to the complexity of healthcare organizations and how they are managed. An overview of the historical development of the modern healthcare organization, as well as the contemporary management roles and functions within them, will be reviewed. Measuring performance and quality improvement will also be taught. The importance of the roles of physicians, nurses, as well as other professionals and support staff will be highlighted. Theories of healthcare leadership will also be explored. Prerequisite(s): (HS 101) or (( Major=MS Occupational Therapy and ( College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior))).

HS 321. Healthcare Law and Ethics. 3 Hours.
This course is a summation and integration of Ethics and Law within the context of healthcare delivery. The class will be introduced to the ethical and moral considerations of the healthcare professions by exploring their historical development. Students will also discover how the law influences the healthcare profession and be introduced to our complex legal structure through exposure to case law and regulations. Prerequisite(s): HS 101 and HS 121 and PH 110.

HS 401. Medical Databases. 3 Hours.
This course is designed as a continuation of HS 121 (medical terminology) and MI 214. Students will learn about and contrast different types of electronic medical records systems. They will learn how to transfer and share data with people from same clinics to people outside of the system and learn about the ethical and legal issues of sharing data. Prerequisite(s): HS 121 and (MI 111 or MI 214).

HS 411. Health Economics and Policy. 3 Hours.
This course will introduce senior Health Care Studies students to beginning healthcare economics and its influence on health policy. The course will emphasize the economic issues of scarcity, choice, supply and demand, marginal analysis, substitutes, and externalities as they relate to health care policies. National health insurance, as a rapidly evolving idea for the future, will also be analyzed and evaluated. Prerequisite(s): HS 101 and HS 311.

HS 421. Health Care Studies Senior Experience. 3 Hours.
This course combines students past course work into one research project. Each student will be required to plan and carry out an investigation into some health area of interest and write-up and report their experiences and results to the whole class. In addition they will put together a portfolio, resume and cover letter for a job of their choice. Prerequisite(s): Major=BS Health Care Studies.

HS 491. Health Care Studies Internship. 3-6 Hours.
This course offers the students experiences in a work and/or research environment dedicated to health care or public health. Each student chooses and contacts a hospital, clinic, health center, public health department or health care business and spends a total of 100 hours in that setting. Activities will include training/orientation, work on projects relevant to the mission of the agency, observation of agency work processes, and other assigned work from the site liaison. Students keep daily journals and meet three times during the semester for training and to share their experiences. Prerequisite(s): Major=BS Health Care Studies and (College Level=Junior or College Level=Senior).

HS 499. Topic. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in health care studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

OT Courses

OT 299. Topic. 1-6 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in occupational therapy under the guidance of occupational therapy faculty.

OT 300. Prin of Human Movement Factors & Occupational Performance. 3 Hours.
This course provides students with foundational knowledge in the neuromusculoskeletal and movement-related functions of the human body. Students will learn and apply kinesiological and biomechanical principles underlying person-centered occupational performance and engagement. They will develop the basic ability to assess and analyze the client factors which are fundamental to the performance of meaningful occupation. The role of reflexes and other involuntary movement reactions will be covered as well as an introduction to the basic concepts of motor control. Laboratory sessions will stress motor evaluations, treatment planning, wheelchair assessment, transfers, movement analysis, and the psychodynamics of physical rehabilitation. Prerequisite(s): (SC 221 and SL 221) and (SC 222 and SL 222)) or (( Major=MS Occupational Therapy and ( College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior))).

OT 320. Occupational Analysis. 3 Hours.
This course will focus on foundational concepts that underlie the practice of occupational therapy, i.e. occupation-based activity analysis and analysis of occupational performance. Students will be introduced to the nature of occupation as viewed by the profession and the value of occupational engagement across diverse contexts and environments. Client factors, performance skills and patterns as well as the context and the demands of activities will considered in preparation for developing interventions in support of engagement in client-identified meaningful occupations. Prerequisite(s): Major=MS Occupational Therapy.

OT 321. Theory & Assessment I. 3 Hours.
This is the first of a two-course series integrating occupational therapy theory with assessment. Students will be introduced to the theoretical foundations of occupational therapy, including the Occupational Therapy Practice Framework, the importance of the history and philosophical base of the profession, and the process of theory development. An overview of client-centered theories will provide a foundational base for occupational engagement. It will also introduce core concepts of evaluation and assessment as well as the evaluation process. The link between theory and assessment will be reinforced by applying a model of practice and the associated assessment tools to a client story, thereby integrating theory and assessment in a clinically meaningful context.

OT 322. Professional Foundations of Occupational Therapy. 3 Hours.
Students will appreciate and value the AOTA Occupational Therapy Code of Ethics and the Standards of Practice as well discuss challenges of personal/organizational ethical conflicts and conflict resolution. State licensing and scope of practice will be discussed as will importance of and requirements for ongoing professional development. Professional liability will be examined. Developing leadership skills through participation in professional associations and professional advocacy will be emphasized. Professional documentation will be introduced. Prerequisite(s): Major=MS Occupational Therapy.
OT 323. Theory & Assessment II. 4 Hours.
This is the second of a two-course series integrating occupational therapy theory with assessment. In this course, students will analyze selected culturally relevant, client-centered, occupation and performance-based models. The models are applied to clinical stories representing life span development and varied contexts. Students are also exposed to multiple assessment tools associated with each model to reinforce the link between theory, evaluation and occupational engagement. The course teaches students to engage in the process of using novel assessment tools and clinical reasoning for the evaluation process and corresponding documentation. Prerequisite(s): OT 321.

OT 330. Functional Anatomy. 4 Hours.
This course will build on previous anatomy & physiology coursework. Content will focus intensively on body structures in order to understand the interactions between them in support of the ability to participate in meaningful occupations throughout life. An emphasis on the musculo-skeletal system, peripheral nervous system and cardio-vascular system will be reinforced by cadaver dissection opportunities in the Anatomy Lab. Prerequisite(s): ((SC 221 and SL 221) and (SC 222 and SL 222)) or ( Major=MS Occupational Therapy and ( College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior)).

OT 331. Neuroscience. 5 Hours.
This course will provide students with in-depth understanding of the neuroanatomy and neurophysiology of the central and peripheral nervous systems. There will be special emphasis on mental functions, sensory functions, and the motor system as they contribute to occupational performance. The impact of various clinical conditions on participation in meaningful activities will be introduced. Students understanding will be supplemented with learning activities that include cadaver dissections. Prerequisite(s): (SC 221 and SC 222 and SL 221 and SL 222) or (( College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior) and Major=MS Occupational Therapy).

OT 361. Professional Integration A: Advocacy and Social Context. 1 Hour.
This is the first of three professional integration courses. In this course, students demonstrate novice-level application and integration of didactic concepts that they have learned in the classroom in a clinical or community setting. They apply knowledge and skills from entry level foundation courses to promote awareness of and advocate for access to Occupational Therapy services. There is an emphasis on awareness of the impact of social, cultural and political factors on occupational engagement and meaningful participation. Prerequisite(s): OT 322.

OT 380. Integrative Health I: Wellness. 2 Hours.
This is the first of two courses on integrative health, which considers the dynamic interaction between mind, body, spirit and community. This course introduces the concepts of wellness, health promotion, prevention, and spirituality and their contributions to well-being and occupational engagement. This content is addressed in part through self-reflection as students explore and apply evidence-based approaches of wellness to themselves. Students will develop increased awareness of their own values and beliefs and how they may interact, influence and contribute to health and wellness. Prerequisite(s): OT 322.

OT 413. Children & Youth I. 3 Hours.
This is the first of two courses covering the foundations of contemporary, ethical family-centered occupational therapy practice for children and youth. This semester has an emphasis on infants and young children and their families. Students apply theoretical concepts from developmental and occupation based models to understand the impact of client factors on occupational engagement and performance. Client-centered assessments and outcome measures, used in practice with children and families are explored. Evidence-based clinical reasoning is emphasized as students develop meaningful interventions and identify outcomes in support of occupational engagement in a variety of contexts and environments. Finally, students understand the implications of legislative mandates, role delineation, and the importance of documentation on contemporary practice. Prerequisite(s): OT 321 and OT 323.

OT 414. Children & Youth II. 4 Hours.
This is the second of two courses covering the foundations of contemporary ethical family-centered occupational therapy practice for children and youth. This course focuses on young children through the period of youth and adolescence as well as their families. Students apply theoretical concepts from developmental and occupation based models to understand the impact of client factors on occupational engagement and performance. The course utilizes client-centered assessments and outcome measures used in clinical pediatric practice. It also emphasizes critical thinking as students develop meaningful interventions and identify outcomes in a range of contexts and environments in support of occupational engagement. Finally, the class explores the implications of legislative mandates, role delineation, and the importance of documentation on contemporary practice. Prerequisite(s): OT 413.

OT 440. Mental Health I. 4 Hours.
This course examines the psychological and social aspects of mental health functioning as it impacts occupational performance. Students investigate the continuum of health and recovery with an emphasis on supporting client’s successful engagement in meaningful roles and occupations across practice areas, client populations, contexts and environments. Client-centered evaluation and intervention emphasize practical application of theoretical concepts, while evidenced-based critical thinking guides clinical reasoning and decision-making throughout the course. Prerequisite(s): OT 390 and OT 331.

OT 441. Mental Health II. 3 Hours.
This course will focus on approaches to group intervention emphasizing meaningful occupational-based participation to support engagement in a variety of contexts and environments. Included are techniques for starting, maintaining, and terminating groups, ways to capitalize on the therapeutic advantages that groups offer, and exploration of group dynamics and leadership skills. Students use principles of needs assessment, group intervention planning and implementation, along with theory and research evidence, to design and co-lead client-centered occupation based groups with children, adults and older adults. Prerequisite(s): OT 440.

OT 449. Rehabilitation & Participation I. 4 Hours.
This course uses clinical reasoning to examine adult clinical conditions and their impact on occupational engagement. It includes evaluation and intervention focusing on occupational performance and meaningful participation. There is an emphasis on evidence-based, client-centered contemporary best practice. The laboratory portion of the course includes active learning and opportunities to apply entry level practice skills. Prerequisite(s): OT 300 and OT 330 and OT 331.
OT 450. Rehabilitation and Participation II. 4 Hours.
This course continues the study of adult clinical conditions and their impact on occupational engagement. Clinical reasoning is used to inform emerging critical thinking. Students have the opportunity to experience and practice evidence-based intervention strategies to enhance occupational performance and meaningful participation. The laboratories focus on developing analysis and beginning synthesis of entry level practice skills. Prerequisite(s): OT 449 and OT 330 and OT 331.

OT 452. Context and Environment. 3 Hours.
In this course, students explore the impact of the physical and social conditions of the client on occupational therapy engagement. Students are also given an opportunity to explore the relationship between socio-cultural forces and the physical environment as well as their impact on meaningful participation for individuals with disabilities. Interventions include a wide range of assistive technologies (AT) and environmental adaptations that allow a person to function more fully. Finally students have the opportunity to identify social and environmental barriers to inclusion in the community and identify strategies to transform these barriers through the application of leadership principles. Prerequisite(s): OT 449.

OT 460. Professional Integration B: Service Delivery and Management. 1 Hour.
This is the second of three professional integration courses. Through this course, students demonstrate emerging application and integration of classroom didactic concepts in a clinical or community setting. Students also apply knowledge and skills from entry-level practice courses to promote occupational engagement within and across diverse contexts and environments with an emphasis on the programmatic aspects of service delivery. Prerequisite(s): OT 361.

OT 461. Professional Integration C: Professional Resp & Leadership. 1 Hour.
This is the third of three professional integration courses. In this course, students demonstrate advanced-beginner application and integration of classroom didactic concepts in a clinical or community setting. Students also apply emerging clinical reasoning and skills from practice courses to promote occupational engagement within and across diverse contexts and environments. The course emphasizes roles and responsibilities related to the development of personal and professional leadership. Prerequisite(s): OT 460.

OT 470. Research & Evidence-based Practice I. 3 Hours.
This is the first in a three course series that will use research to foster evidence-based critical thinking and clinical reasoning. This course will focus on critical analysis of quantitative and qualitative research literature with the goal of guiding students to become informed consumers of research to guide their clinical practice. The contribution of research to the continued development of a professional body of knowledge will be emphasized. Experience locating and evaluating literature, developing a research question, and proposing an appropriate sample, research design, measurement and data analysis will reinforce development of the skills necessary to translate evidence to practice in the clinic. Prerequisite(s): (MS 132 and SC 224) or (College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior).

OT 471. Research & Evidence-based Practice II. 3 Hours.
This is the second in a three course series that will use research to foster evidence-based critical thinking and clinical reasoning. This course will build on the process of developing informed consumers of research through experiential engagement in the research process and implementation of a research methodology. Prerequisite(s): OT 470.

OT 499. Topic/. 1-6 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in occupational therapy under the guidance of occupational therapy faculty.

OT 561. Level Two Fieldwork IIa. 6 Hours.
The goal of Level II Fieldwork is to develop competent, entry-level, generalist occupational therapists under the supervision of a qualified occupational therapist. In this first Level II fieldwork course, students have the opportunity to integrate classroom, service-learning, laboratory, and fieldwork knowledge and skills while applying the OT process in an in-depth occupational therapy service provision experience. Prerequisite(s): OT 414 and OT 441 and OT 450 and OT 461.

OT 562. Level Two Fieldwork IIIb. 6 Hours.
The goal of Level II Fieldwork is to further develop competent, entry-level, generalist occupational therapists under the supervision of a qualified occupational therapist. In this second Level II Fieldwork course, students have the opportunity to integrate advanced didactic content with knowledge and skills from previous fieldwork experiences. This final clinical experience requires students to demonstrate evidence-based clinical reasoning and emerging critical thinking, while emphasizing occupational engagement in the context of an in-depth occupational therapy service provision experience. Prerequisite(s): OT 580 and OT 581 and OT 582.

OT 563. Clinical Integration: Research and Evidence-based Practice. 2 Hours.
This course will provide an opportunity for students to process and integrate evidence-based critical thinking and reasoning with clinical experience. Students will demonstrate self-reflection regarding their own professional and personal growth over the course of their academic and clinical professional preparation. We will revisit concepts related to healthcare leadership skills and values, as well as reinforce supports to facilitate the transition to entry-level clinical practitioner and scholar. Prerequisite(s): OT 561 and OT 562.

OT 570. Seminar: Research & Evidence-based Practice III. 3 Hours.
This is the third in a three course series that will use research to foster evidence-based critical thinking and clinical reasoning. Building on the project from the previous semester students will prepare a professional written report and a formal scientific oral presentation of findings or outcome. The importance of research to building a professional body of knowledge will be revisited as students are required to highlight the application of their findings to occupational therapy. Furthermore the clinical application of their findings will reinforce the use of evidence to guide clinical thinking and reasoning. Prerequisite(s): OT 471.

OT 571. Research Seminar. 1 Hour.
In this course, students will discuss various applications of research including evidence-based practice, presentations, publication, grant proposal and on going professional development. For their final activity in the course, students will develop, organize, implement and evaluate a research seminar of occupational therapy research based on student research projects and will be open to the clinical and general community in the region. Prerequisite(s): OT 471.
OT 580. Integrative Health II: Spirituality. 2 Hours.
This is the second of two courses focusing on integrative health, which considers the dynamic interaction between mind, body, spirit and community. This course expands on concepts of wellness and spirituality previously introduced and also integrates the contribution of culture to well-being and occupational engagement. Students develop increased awareness of the influence of patients’ values, beliefs, culture, and spiritual traditions on healthcare practices. There is an emphasis on the interplay between integrative health, well-being, quality of life and meaningful participation. Prerequisite(s): OT 380.

OT 581. Upper Extremity Research And Practice. 3 Hours.
This course explores common upper extremity/hand injuries and evidence-based treatment interventions in support of client engagement in meaningful occupations. It involves a review of anatomy, clinical evaluation of the upper extremity/hand, and intervention appropriate to each injury. Through a combination of lecture and active experiential learning with a strong emphasis on participation, discussion, and problem solving, students develop critical thinking and clinical reasoning. Students are also expected to identify, palpate and perform learned techniques on each other and demonstrate competency and mastery of content. This course emphasizes hands-on participation with demonstrations of proficiencies in manual muscle, range of motion, and provocative testing.

OT 582. Neurorehabilitation: Research & Evidence Based Practice. 3 Hours.
This course explores the impact of central and peripheral neurologically based conditions on performance skills supporting occupational engagement. Students will have the opportunity to explore both formal and informal assessments used in the evaluation of cognitive, perceptual, communication, and motor dysfunction. Evidence based interventions and rehabilitative approaches for working with clients who have experienced neurologically based conditions will be explored. Integration of previous foundation content with intervention content will require demonstration of emerging critical thinking and clinical reasoning. Students will be provided with learning activities including lecture, group activities, role playing, and experiential learning.

OT 583. Work & Industry: Research and Evidence-Based Practice. 3 Hours.
This course provides a general overview of basic ergonomic principles and environmental adaptations in the home and work environment. It will describe symptomatology and interventions to promote meaningful engagement in and performance of work related occupations. It describes symptomatology and interventions to promote meaningful engagement in and performance of work related occupations. It emphasizes a client-centered approach and client worldview to develop treatment plans, reflecting current evidence-based literature and best practice concepts. The course puts a strong emphasis on the use of narratives, or patient stories, in the belief that care of the sick and disabled unfolds in stories, and the effective practice of healthcare requires the ability to recognize, absorb, interpret, and act on the stories and experiences of others, and occupational therapy practiced with narrative competences is a model for humane and effective treatment. Prerequisite(s): OT 450.

OT 599. Topic/. 1-6 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in occupational therapy under the guidance of occupational therapy faculty.
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>OT 450</td>
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<td>Context and Environment</td>
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<td>Professional Integration B: Service Delivery and Management</td>
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<td>Professional Integration C: Professional Responsibilities and Leadership</td>
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<td>OT 471</td>
<td>Research &amp; Evidence-based Practice II *</td>
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<td>OT 580</td>
<td>Integrative Health II: Spirituality *</td>
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<td>OT 581</td>
<td>Upper Extremity Research And Practice</td>
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<td>Neurorehabilitation: Research &amp; Evidence Based Practice</td>
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<td>OT 583</td>
<td>Work &amp; Industry: Research and Practice</td>
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<tr>
<td>OT 599</td>
<td>Topic/ *</td>
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**Total Hours: 165**

### Suggested Course Sequence

#### First Year

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<th>Fall</th>
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<td>HS 101</td>
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**Total Hours: 18  19**

#### Second Year

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<tr>
<td>MI 214</td>
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**Total Hours: 17  8**

#### Third Year

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**Total Hours: 15  15**

#### Fourth Year

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**Total Hours: 18  18  6**

#### Fifth Year

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<td>OT 599</td>
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<td>(Or Grad HS Elective OR Grad Business Elective)</td>
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**Total Hours: 165**
HS 100. Overview of Careers in Health Care. 1 Hour.
This course introduces the students to the different employment possibilities for a Health Care Studies graduate. Seminars will feature invited speakers to discuss how their company works and what positions they might have for a graduate in Health Care Studies. In addition, students can visit different facilities to see first-hand how their studies in Health Care can be applied to different job settings through virtual tours.

HS 101. Introduction to Health Care Studies. 3 Hours.
This course will introduce the students to the health care industry, and will consist of lectures, readings, discussions, and visiting professionals. While the principal goal will be to inform students of the necessary skills needed to succeed in the health care field, a secondary goal will have the student be able to articulate the background to almost any article relating to the challenges of national health care.

HS 121. Medical Terminology. 3 Hours.
This course introduces students to the language used in describing and coding of clinical visits, medical procedures, and medical forms. The ability to understand complex medical terms will be gained by the analysis of prefixes, word roots, and suffixes. Coding of diseases (ICD-9) and medical insurance language will also be emphasized.

HS 299. Topic/. 1-3 Hour.
This course is designed to provide the opportunity to offer courses in health care studies that would not normally be a part of the Husson curriculum. As such, the topics will depend upon the interests of students and faculty.

HS 301. Introduction to Public Health. 3 Hours.
This course is an introductory overview of the U.S. Public Health System with an emphasis on the core areas of public health, challenges, and strategies for working with communities, and specific health issues that impact the health of the population. We will look at environmental and behavioral factors associated with health promotion and disease prevention and view different national programs and programs going on in Maine.

HS 311. Healthcare Management and Organization. 3 Hours.
This course will introduce junior year students to the complexity of healthcare organizations and how they are managed. An overview of the historical development of the modern healthcare organization, as well as the contemporary management roles and functions within them, will be reviewed. Measuring performance and quality improvement will also be taught. The importance of the roles of physicians, nurses, as well as other professionals and support staff will be highlighted. Theories of healthcare leadership will also be explored. Prerequisite(s): (HS 101) or (Major=MS Occupational Therapy and (College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior)).

HS 321. Healthcare Law and Ethics. 3 Hours.
This course is a summation and integration of Ethics and Law within the context of healthcare delivery. The class will be introduced to the ethical and moral considerations of the healthcare professions by exploring their historical development. Students will also discover how the law influences the healthcare profession and be introduced to our complex legal structure through exposure to case law and regulations. Prerequisite(s): HS 101 and HS 121 and PH 110.

HS 401. Medical Databases. 3 Hours.
This course is designed as a continuation of HS 121 (medical terminology) and MI 214. Students will learn about and contrast different types of electronic medical records systems. They will learn how to transfer and share data with people from same clinics to people outside of the system and learn about the ethical and legal issues of sharing data. Prerequisite(s): HS 121 and (MI 111 or MI 214).

HS 411. Health Economics and Policy. 3 Hours.
This course will introduce senior Health Care Studies students to beginning healthcare economics and its influence on health policy. The course will emphasize the economic issues of scarcity, choice, supply and demand, marginal analysis, substitutes, and externalities as they relate to health care policies. National health insurance, as a rapidly evolving idea for the future, will also be analyzed and evaluated. Prerequisite(s): HS 101 and HS 311.

HS 421. Health Care Studies Senior Experience. 3 Hours.
This course combines students past course work into one research project. Each student will be required to plan and carry out an investigation into some health area of interest and write-up and report their experiences and results to the whole class. In addition, they will put together a portfolio, resume, and cover letter for a job of their choice. Prerequisite(s): Major=BS Health Care Studies.

HS 491. Health Care Studies Internship. 3-6 Hours.
This course offers the students experiences in a work and/or research environment dedicated to health care or public health. Each student chooses and contacts a hospital, clinic, health center, public health department or health care business and spends a total of 100 hours in that setting. Activities will include training/orientation, work on projects relevant to the mission of the agency, observation of agency work processes, and other assigned work from the site liaison. Students keep daily journals and meet three times during the semester for training and to share their experiences. Prerequisite(s): Major=BS Health Care Studies and (College Level=Junior or College Level=Senior).

HS 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in health care studies that would not normally be a part of the Husson curriculum. As such, the topics will depend upon the interests of students and faculty.

OT Courses
OT 299. Topic/. 1-6 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in occupational therapy under the guidance of occupational therapy faculty.
OT 300. Prin of Human Movement Factors & Occupational Performance. 3 Hours.
This course provides students with foundational knowledge in the neuromusculoskeletal and movement-related functions of the human body. Students will learn and apply kinesiological and biomechanical principles underlying person-centered occupational performance and engagement. They will develop the basic ability to assess and analyze the client factors which are fundamental to the performance of meaningful occupation. The role of reflexes and other involuntary movement reactions will be covered as well as an introduction to the basic concepts of motor control. Laboratory sessions will stress motor evaluations, treatment planning, wheelchair assessment, transfers, movement analysis, and the psychodynamics of physical rehabilitation. Prerequisite(s): ((SC 221 and SL 221) and (SC 222 and SL 222)) or ( Major=MS Occupational Therapy and ( College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior)).

OT 320. Occupational Analysis. 3 Hours.
This course will focus on foundational concepts that underlie the practice of occupational therapy, i.e. occupation-based activity analysis and analysis of occupational performance. Students will be introduced to the nature of occupation as viewed by the profession and the value of occupational engagement across diverse contexts and environments. Client factors, performance skills and patterns as well as the context and the demands of activities will be considered in preparation for developing interventions in support of engagement in client-identified meaningful occupations. Prerequisite(s): Major=MS Occupational Therapy.

OT 321. Theory & Assessment I. 3 Hours.
This is the first of a two-course series integrating occupational therapy theory with assessment. Students will be introduced to the theoretical foundations of occupational therapy, including the Occupational Therapy Practice Framework, the importance of the history and philosophical base of the profession, and the process of theory development. An overview of client-centered theories will provide a foundational base for occupational engagement. It will also introduce core concepts of evaluation and assessment as well as the evaluation process. The link between theory and assessment will be reinforced by applying a model of practice and the associated assessment tools to a client story, thereby integrating theory and assessment in a clinically meaningful context.

OT 322. Professional Foundations of Occupational Therapy. 3 Hours.
Students will appreciate and value the AOTA Occupational Therapy Code of Ethics and the Standards of Practice as well discuss challenges of personal/organizational ethical conflicts and conflict resolution. State licensing and scope of practice will be discussed as will importance of and requirements for ongoing professional development. Professional liability will be examined. Developing leadership skills through participation in professional associations and professional advocacy will be emphasized. Professional documentation will be introduced. Prerequisite(s): Major=MS Occupational Therapy.

OT 323. Theory & Assessment II. 4 Hours.
This is the second of a two-course series integrating occupational therapy theory with assessment. In this course, students will analyze selected culturally relevant, client-centered, occupation and performance-based models. The models are applied to clinical stories representing life span development and varied contexts. Students are also exposed to multiple assessment tools associated with each model to reinforce the link between theory, evaluation and occupational engagement. The course teaches students to engage in the process of using novel assessment tools and clinical reasoning for the evaluation process and corresponding documentation. Prerequisite(s): OT 321.

OT 330. Functional Anatomy. 4 Hours.
This course will build on previous anatomy & physiology coursework. Content will focus intensively on body structures in order to understand the interactions between them in support of the ability to participate in meaningful occupations throughout life. An emphasis on the musculoskeletal system, peripheral nervous system and cardio-vascular system will be reinforced by cadaver dissection opportunities in the Anatomy Lab. Prerequisite(s): ((SC 221 and SL 221) and (SC 222 and SL 222)) or ( Major=MS Occupational Therapy and ( College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior)).

OT 331. Neuroscience. 5 Hours.
This course will provide students with in-depth understanding of the neuroanatomy and neurophysiology of the central and peripheral nervous systems. There will be special emphasis on mental functions, sensory functions, and the motor system as they contribute to occupational performance. The impact of various clinical conditions on participation in meaningful activities will be introduced. Students understanding will be supplemented with learning activities that include cadaver dissections. Prerequisite(s): (SC 221 and SC 222 and SL 221 and SL 222) or (( College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior) and Major=MS Occupational Therapy).

OT 361. Professional Integration A: Advocacy and Social Context. 1 Hour.
This is the first of three professional integration courses. In this course, students demonstrate novice-level application and integration of didactic concepts that they have learned in the classroom in a clinical or community setting. They apply knowledge and skills from entry level foundation courses to promote awareness of and advocate for access to Occupational Therapy services. There is an emphasis on awareness of the impact of social, cultural and political factors on occupational engagement and meaningful participation. Prerequisite(s): OT 322.

OT 380. Integrative Health I: Wellness. 2 Hours.
This is the first of two courses on integrative health, which considers the dynamic interaction between mind, body, spirit and community. This course introduces the concepts of wellness, health promotion, prevention, and spirituality and their contributions to well-being and occupational engagement. This content is addressed in part through self-reflection as students explore and apply evidence-based approaches of wellness to themselves. Students will develop increased awareness of their own values and beliefs and how they may interact, influence and contribute to health and wellness. Prerequisite(s): OT 322.

OT 413. Children & Youth I. 3 Hours.
This is the first of two courses covering the foundations of contemporary, ethical family-centered occupational therapy practice for children and youth. This semester has an emphasis on infants and young children and their families. Students apply theoretical concepts from developmental and occupation based models to understand the impact of client factors on occupational engagement and performance. Client-centered assessments and outcome measures, used in practice with children and families are explored. Evidence-based clinical reasoning is emphasized as students develop meaningful interventions and identify outcomes in support of occupational engagement in a variety of contexts and environments. Finally, students understand the implications of legislative mandates, role delineation, and the importance of documentation on contemporary practice. Prerequisite(s): OT 321 and OT 323.
OT 414. Children & Youth II. 4 Hours.
This is the second of two 4 courses covering the foundations of contemporary ethical family-centered occupational therapy practice for children and youth. This course focuses on young children through the period of youth and adolescence as well as their families. Students apply theoretical concepts from developmental and occupation based models to understand the impact of client factors on occupational engagement and performance. The course utilizes client-centered assessments and outcome measures used in clinical pediatric practice. It also emphasizes critical thinking as students develop meaningful interventions and identify outcomes in a range of contexts and environments in support of occupational engagement. Finally, the class explores the implications of legislative mandates, role delineation, and the importance of documentation on contemporary practice. Prerequisite(s): OT 413.

OT 440. Mental Health I. 4 Hours.
This course examines the psychological and social aspects of mental health functioning as it impacts occupational performance. Students investigate the continuum of health and recovery with an emphasis on supporting client’s successful engagement in meaningful roles and occupations across practice areas, client populations, contexts and environments. Client-centered evaluation and intervention emphasize practical application of theoretical concepts, while evidenced-based critical thinking guides clinical reasoning and decision-making throughout the course. Prerequisite(s): OT 330 and OT 331.

OT 441. Mental Health II. 3 Hours.
This course will focus on approaches to group intervention emphasizing meaningful occupational-based participation to support engagement in a variety of contexts and environments. Included are techniques for starting, maintaining, and terminating groups, ways to capitalize on the therapeutic advantages that groups offer, and exploration of group dynamics and leadership skills. Students use principles of needs assessment, group intervention planning and implementation, along with theory and research evidence, to design and co-lead client-centered occupation based groups with children, adults and older adults. Prerequisite(s): OT 440.

OT 449. Rehabilitation & Participation I. 4 Hours.
This course uses clinical reasoning to examine adult clinical conditions and their impact on occupational engagement. It includes evaluation and intervention focusing on occupational performance and meaningful participation. There is an emphasis on evidence-based, client-centered contemporary best practice. The laboratory portion of the course includes active learning and opportunities to apply entry level practice skills. Prerequisite(s): OT 300 and OT 330 and OT 331.

OT 450. Rehabilitation and Participation II. 4 Hours.
This course continues the study of adult clinical conditions and their impact on occupational engagement. Clinical reasoning is used to inform emerging critical thinking. Students have the opportunity to experience and practice evidence based intervention strategies to enhance occupational performance and meaningful participation. The laboratories focus on developing analysis and beginning synthesis of entry level practice skills. Prerequisite(s): OT 449 and OT 330 and OT 331.

OT 452. Context and Environment. 3 Hours.
In this course, students explore the impact of the physical and social conditions of the client on occupational therapy engagement. Students are also given an opportunity to explore the relationship between socio-cultural forces and the physical environment as well as their impact on meaningful participation for individuals with disabilities. Interventions include a wide range of assistive technologies (AT) and environmental adaptations that allow a person to function more fully. Finally students have the opportunity to identify social and environmental barriers to inclusion in the community and identify strategies to transform these barriers through the application of leadership principles. Prerequisite(s): OT 449.

OT 460. Professional Integration B: Service Delivery and Management. 1 Hour.
This is the second of three professional integration courses. Through this course, students demonstrate emerging application and integration of classroom didactic concepts in a clinical or community setting. Students also apply knowledge and skills from entry-level practice courses to promote occupational engagement within and across diverse contexts and environments with an emphasis on the programmatic aspects of service delivery. Prerequisite(s): OT 361.

OT 461. Professional Integration C: Professional Resp & Leadership. 1 Hour.
This is the third of three professional integration courses. In this course, students demonstrate advanced-beginner application and integration of classroom didactic concepts in a clinical or community setting. Students also apply emerging clinical reasoning and skills from practice courses to promote occupational engagement within and across diverse contexts and environments. The course emphasizes roles and responsibilities related to the development of personal and professional leadership. Prerequisite(s): OT 460.

OT 470. Research & Evidence-based Practice I. 3 Hours.
This is the first in a three course series that will use research to foster evidence-based critical thinking and clinical reasoning. This course will focus on critical analysis of quantitative and qualitative research literature with the goal of guiding students to become informed consumers of research to guide their clinic practice. The contribution of research to the continued development of a professional body of knowledge will be emphasized. Experience locating and evaluating literature, developing a research question, and proposing an appropriate sample, research design, measurement and data analysis will reinforce development of the skills necessary to translate evidence to practice in the clinic. Prerequisite(s): (MS 132 and SC 224) or (College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior).

OT 471. Research & Evidence-based Practice II. 3 Hours.
This is the second in a three course series that will use research to foster evidence-based critical thinking and clinical reasoning. This course will build on the process of developing informed consumers of research through experiential engagement in the research process and implementation of a research methodology. Prerequisite(s): OT 470.

OT 499. Topic. 1-6 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in occupational therapy under the guidance of occupational therapy faculty.
OT 561. Level Two Fieldwork IIA. 6 Hours.
The goal of Level II Fieldwork is to develop competent, entry-level, generalist occupational therapists under the supervision of a qualified occupational therapist. In this first Level II Fieldwork course, students have the opportunity to integrate classroom, service-learning, laboratory, and fieldwork knowledge and skills while applying the OT process in an in-depth occupational therapy service provision experience. Prerequisite(s): OT 414 and OT 441 and OT 450 and OT 461.

OT 562. Level Two Fieldwork IIB. 6 Hours.
The goal of Level II Fieldwork is to further develop competent, entry-level, generalist occupational therapists under the supervision of a qualified occupational therapist. In this second Level II Fieldwork course, students have the opportunity to integrate advanced didactic content with knowledge and skills from previous fieldwork experiences. This final clinical experience requires students to demonstrate evidence-based clinical reasoning and emerging critical thinking, while emphasizing occupational engagement in the context of an in-depth occupational therapy service provision experience. Prerequisite(s): OT 580 and OT 581 and OT 582.

OT 563. Clinical Integration: Research and Evidence-based Practice. 2 Hours.
This course will provide an opportunity for students to process and integrate evidence-based critical thinking and reasoning with clinical experience. Students will demonstrate self-reflection regarding their own professional and personal growth over the course of their academic and clinical professional preparation. We will revisit concepts related to healthcare leadership skills and values, as well as reinforce supports to facilitate the transition to entry-level clinical practitioner and scholar. Prerequisite(s): OT 561 and OT 562.

OT 570. Seminar: Research & Evidence-based Practice III. 3 Hours.
This is the third in a three course series that will use research to foster evidence-based critical thinking and reasoning with clinical experience. Students will demonstrate self-reflection regarding their own professional and personal growth over the course of their academic and clinical professional preparation. We will revisit concepts related to healthcare leadership skills and values, as well as reinforce supports to facilitate the transition to entry-level clinical practitioner and scholar. Prerequisite(s): OT 561 and OT 562.

OT 571. Research Seminar. 1 Hour.
In this course, students will discuss various applications of research including evidence-based practice, presentations, publication, grant proposal and on going professional development. For their final activity in the course, students will develop, organize, implement and evaluate a research seminar of occupational therapy research based on student research projects and will be open to the clinical and general community in the region. Prerequisite(s): OT 471.

OT 580. Integrative Health II: Spirituality. 2 Hours.
This is the second of two courses focusing on integrative health, which considers the dynamic interaction between mind, body, spirit and community. This course expands on concepts of wellness and spirituality previously introduced and also integrates the contribution of culture to well-being and occupational engagement. Students develop increased awareness of the influence of patients’ values, beliefs, culture, and spiritual traditions on healthcare practices. There is an emphasis on the interplay between integrative health, well-being, quality of life and meaningful participation. Prerequisite(s): OT 380.

OT 581. Upper Extremity Research And Practice. 3 Hours.
This course explores common upper extremity/hand injuries and evidence-based treatment interventions in support of client engagement in meaningful occupations. It involves a review of anatomy, clinical evaluation of the upper extremity/hand, and intervention appropriate to each injury. Through a combination of lecture and active experiential learning with a strong emphasis on participation, discussion, and problem solving, students develop critical thinking and clinical reasoning. Students are also expected to identify, palpate and perform learned techniques on each other and demonstrate competency and mastery of content. This course emphasizes hands-on participation with demonstrations of proficiencies in manual muscle, range of motion, and provocative testing.

OT 582. Neurorehabilitation: Research & Evidence Based Practice. 3 Hours.
This course explores the impact of central and peripheral neurologically based conditions on performance skills supporting occupational engagement. Students will have the opportunity to explore both formal and informal assessments used in the evaluation of cognitive, perceptual, communication, and motor dysfunction. Evidence based interventions and rehabilitative approaches for working with clients who have experienced neurologically based conditions will be explored. Integration of previous foundation content with intervention content will require demonstration of emerging critical thinking and clinical reasoning. Students will be provided with learning activities including lecture, group activities, role playing, and experiential learning.

OT 583. Work & Industry: Research and Evidence-based Practice. 3 Hours.
This course provides a general overview of basic ergonomic principles and environmental adaptations in the home and work environment. It will describe symptomatology and interventions to promote meaningful engagement in and performance of work related occupations. It emphasizes a client-centered approach and client worldview to develop treatment plans, reflecting current evidence-based literature and best practice concepts. The course puts a strong emphasis on the use of narratives, or patient stories, in the belief that care of the sick and disabled unfolds in stories, and the effective practice of healthcare requires the ability to recognize, absorb, interpret, and act on the stories and experiences of others, and occupational therapy practiced with narrative competence is a model for humane and effective treatment. Prerequisite(s): OT 450.

OT 599. Topic/. 1-6 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in occupational therapy under the guidance of occupational therapy faculty.

Physical Therapy

The Doctor in Physical Therapy Program is an entry-level, graduate physical therapist program. The six-year program is for students entering directly from high school. Study during the first three years of the program (the pre-professional undergraduate phase) is in the areas of the humanities and sciences, and fulfills the College’s general education requirements. Study during the last three years of the program (the professional phase) consists of professional physical therapy courses that prepare the student for clinical practice and licensure as a physical therapist. After the successful completion of the fourth year of study and all undergraduate requirements, Physical Therapy students are awarded a Bachelor of Science in Kinesiology degree. Transfer students, who
have not completed a bachelor's degree, may enter into year one or two depending on the number of credits being transferred.

The three-year professional phase program is for students who have earned a Baccalaureate degree and have taken all appropriate pre-requisite courses. Admissions criteria for graduate program are found on the catalog graduate section (p. 510) or on the Physical Therapy Central Application website (p. 510).

School of Physical Therapy Mission Statement
The mission of the Husson Physical Therapy Program is to graduate generalist practitioners with advanced skills in selected practice areas. These skilled, knowledgeable, ethical, and reflective practitioners are independent in their assessment of client needs and collaborative within the health care team for the promotion of health and function. These graduates are responsible and self-directed learners, both adaptable and successful in utilizing evidence-based practice to address issues within diverse and complex health care systems, practice environments and client populations.

Philosophy of Physical Therapy Education
Husson is committed to providing individuals with a personalized, cost-effective educational experience leading to successful performance in productive and satisfying careers. In keeping with the Husson philosophy, the Physical Therapy faculty is dedicated to providing excellent student-centered learning in secure and open learning environments. The faculty incorporates active teaching and learning strategies that support the learner in assuming responsibility for his or her behavior, self-directed learning, evidence-based clinical knowledge and skills, critical and reflective thinking, and strong clinical experiences. The Physical Therapy program emphasizes the preparation of the generalist practitioner who provides a continuum of care responsive to the individualized needs and well-being of clients and patients from diverse backgrounds. Given the limited access to healthcare in the rural state of Maine, the PT program is committed to ensuring that its graduates are capable of working effectively in rural environments. In believing that each member of society has the right to receive quality health care, the Physical Therapy faculty emphasizes an educational preparation consistent with society's expectations of a physical therapist as an autonomous practitioner, educator, evaluator, therapy provider, family and community consultant, health and wellness advocate, clinical researcher, and an effective member of the health care community.

Program Goals
Through its faculty and curriculum, the program will demonstrate a commitment to:

• Preparing graduates to competently practice physical therapy in a diversity of clinical settings.
• Enhancing the profession, the physical therapy community, and the health and wellness of the public.
• Promoting inquiry and scholarship within the Husson community and the physical therapy profession.

Faculty will demonstrate a commitment to:

• Serving as professional physical therapy role models.
• Engaging in and promoting inquiry and scholarship.

• Outstanding teaching practices that engage students in active learning.

Student and Graduate will:

• Demonstrate the knowledge and skills necessary to practice physical therapy as generalist practitioners with high ethical and legal standards.
• Demonstrate advanced skills in select practice areas.

Undergraduate Admissions Criteria for the Six-Year BS in Kinesiology/DPT Program

Freshman Applicants
Applicants applying for entry to the first year of the program must meet the following criteria:

• Combined SAT scores of 1090 for Math and Verbal sections. 2016 SAT, based on 1600 scale. (or ACT equivalent);
• A high school average of 85 (3.0) GPA;
• Two letters of recommendation;
• Successful completion of courses in math, biology and chemistry; Physics and trigonometry are also recommended.
• A written essay that is included as part of the application form.
• And, a recommended minimum of 20 volunteer hours in at least two areas of Physical Therapy.

Early application is encouraged for the pre-professional phase. The College currently accepts approximately 50 students into year one of the program. Applications are reviewed on a continual basis. Early acceptance is offered to applicants who meet all program requirements.

Transfer Student Applicants
Students who have not completed a baccalaureate degree but have received undergraduate credits may apply as transfer students using the undergraduate application. Transfer students may enter in September or January of the pre-professional phase into year one or two depending on the number of credits being transferred.

Transfer students may seek admission to the BS in Kinesiology/DPT degree program by completing the following:

• Have earned at least a 3.3 cumulative GPA.
• Complete the Husson undergraduate application.
• Include in Husson essay, or separately describe, why physical therapy as a career and profession appeals to you.
• Provide proof of 8 hours of observation in physical therapy.

Students already enrolled at Husson who wish to transfer into the BS in Kinesiology/DPT degree program may request a change of major if they meet the following criteria:

• Have earned at least a 3.3 cumulative GPA.
• Complete the Husson Change of Major form.
• Write a letter requesting a change of major. Address the letter to the Chair of PT Admissions Committee, School of Physical Therapy, Husson University.
• Include in the letter, or separately describe, why physical therapy as a career and profession appeals to you.
• Provide proof of 8 hours of observation in physical therapy.
The number of transfer applicants selected is restricted to ensure the highest quality of education during the professional phase of the program and to facilitate clinical placement of all students.

Requests for transfer or change of major will be reviewed at the end of the semester in which materials are submitted. Acceptance into the BS in Kinesiology/DPT program is dependent upon the availability of openings so that completion of all of the above is not a guarantee of acceptance.

**Pre-Professional Student Progression into the three-year DPT program**

Students enrolled in the pre-professional phase of the physical therapy curriculum are offered a guaranteed admission into the professional phase (fourth year) of the DPT program if they have met the following requirements:

- Attained a cumulative GPA of 3.5 or greater by the close of the spring semester of the third year.
- Submit a GRE score by May 30th. GRE scores will be tracked for information until 2017, and will not be used to make the admissions decision. GRE information can be found at http://www.ets.org/.
- Complete the third pre-professional year with a grade of C or better in the following pre-requisite courses.

**Pre-professional Courses Requiring a Grade of C or better are as follows:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MS 180</td>
<td>Precalculus with Trigonometry</td>
<td>4</td>
</tr>
<tr>
<td>PY 111</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SC 181</td>
<td>Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>SC 182</td>
<td>Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>SC 221</td>
<td>Anatomy and Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>SC 222</td>
<td>Anatomy and Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>SC 271</td>
<td>Physics I</td>
<td>3</td>
</tr>
<tr>
<td>SC 272</td>
<td>Physics II</td>
<td>3</td>
</tr>
<tr>
<td>SC 291</td>
<td>Cell Biology</td>
<td>3</td>
</tr>
</tbody>
</table>

Students who have a cumulative GPA of 3.0 to 3.499 and have met the following requirements may apply for entry into the professional phase of the DPT program if they have met the following requirements:

- Complete the third pre-professional year with a grade of C or better in the above pre-requisite courses.
- Attain a cumulative GPA of at least 3.0 by the close of the spring semester of the third year.
- Submit a GRE score by May 30th. GRE scores will be tracked for information only until 2017, and will not be used to make the admissions decision. GRE information can be found at http://www.ets.org/.
- Submit in hard copy the following material by April 15. This information will help you to compete with the applicants who already hold a bachelor’s degree. Send to: PT Admissions Committee, School of Physical Therapy, Husson University, 1 College Circle, Bangor ME 04401-2999.
- A letter of intent stating your wish for admission into the DPT program. In this letter, you will want to advocate for yourself, persuading the committee of your potential for success as a DPT student.
- A resume. Be sure to include those activities or jobs that support your future success as a DPT student or as a PT.
- One letter of recommendation from an academic source, not a PT faculty member.
- A written essay addressing one of several essay prompts listed below.

**Written essay guidelines:** Please write an essay on one of the following topics. Limit your essay to no more than two typed pages, double-spaced. The essay will be evaluated on organization, clarity, grammar, and punctuation, as well as content. Please include the topic at the top of your essay.

- Discuss some issue of personal, local, national, or international concern and its importance to you.
- Describe a major problem or challenge that you have encountered and the ways in which you dealt with it.
- Newton’s First Law of Motion states that an object in motion tends to stay in motion in the same direction unless acted upon by an external force. Tell us about an external influence (a person, an event, etc.) that affected you and how it caused you to change direction.

Students who have not met the above GPA and course criteria by the close of the spring semester of the third year, or who have met the criteria but were not accepted into the DPT program, may not progress into the professional phase, thereby losing their reserved seats in the class they were admitted into. Such a student will be dismissed from the PT program, and advised to complete a bachelor’s degree in another program. After attaining a bachelor’s degree, the student may reapply for entry into the professional phase of the DTP curriculum.

All students must maintain a cumulative 3.0 GPA in the professional phase of the program.

After the successful completion of the fourth year of study and all undergraduate requirements, Physical Therapy students are awarded a Bachelor of Science degree in Kinesiology. These students then become graduate students who are awarded the Doctor of Physical Therapy degree at the successful completion of the final two years of the program.

**Accreditation**

The Doctor of Physical Therapy Program in the School of Physical Therapy at Husson University is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, VA 22314; telephone: 703.706.3245; email: accreditation@apta.org; website: http://www.capteonline.org

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**Financial Aid**

A freshman-entry Physical Therapist student is classified as an undergraduate student through the fourth year, and as a graduate student in the fifth and sixth year. The student who holds a
Baccalaureate degree is classified as a graduate student for the three years of the professional phase.

**Tuition**

The tuition structure in the first, second, and third years is identical to the per-credit hour fee applied to other Husson students. Students enrolled in the fourth, fifth, and sixth years pay a higher per-credit hour fee that is specific to the physical therapy program.

**Clinical Education**

Students in the fourth, fifth, and sixth years of the Physical Therapy program are required to participate in unpaid full-time clinical experiences as part of their professional education. It is recommended that students budget an additional $2,000-$2,500 for travel, accommodations, etc. There are four clinical placement periods during the professional phase of the programs shown below:

- **Year 4**—8-week placement generally mid-May to early July
- **Year 5**—8-week placement from mid-October to mid-December
- **Year 5**—8-week placement generally mid-July to early September
- **Year 6**—8-week placement in January and February

Generally, the Physical Therapy program will attempt to place fourth-year students near their home for the first clinical placement (although this cannot be guaranteed). In the fifth and sixth years, students will be required to travel to other locations for their clinical placements. The program currently has contracts with approximately 200 clinical sites throughout the United States.

**Courses**

**PT 200. Intro to Physical Therapy. 0 Hours.**

A seminar based non-credit course to introduce pre-professional students to the curriculum and profession of Physical Therapy.

**PT 399. Topic/. 3 Hours.**

This elective course provides the opportunity to introduce varied topics concerning kinesiology, anatomy, physiology, or physical therapy. This course is for students enrolled in the preprofessional phase of the physical therapy program. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222.

**PT 400. Clinical Edu I. 4 Hours.**

An eight week full-time basic physical therapy skills affiliation scheduled in the summer following the first professional year. Designed to provide the learner with competency in the beginning clinical skills of client-therapist interactions, case history development, simple musculoskeletal and functional assessments, application of simple treatment techniques and modalities, participation in the planning and design of treatment program, and basic to intermediate skills in the orthopedic management of peripheral joint dysfunction. Prerequisite(s): PT 550 and PT 515.

**PT 410. Gross Anatomy. 5 Hours.**

An in-depth study of gross anatomy with an emphasis on muscular, skeletal, neural, and vascular structures and systems. Course content will pay particular attention to functional anatomy of the appendages and their associated girdles, the back, and the head and neck. Lecture and classroom discussions are combined with cadaver dissections to provide a thorough and clinically relevant knowledge base for subsequent diagnostic and treatment-centered courses.

**PT 411. Kinesiology & Biomechanics. 3 Hours.**

A comprehensive study of human movement with an emphasis on biomechanical and kinesiological concepts of normal and pathological movement of each body region. The course will include lecture and laboratory components that will integrate fundamental mechanical and kinesiological principles in the analysis of joint motion throughout the body. The course builds on anatomical knowledge to give students an in-depth appreciation of how normal and abnormal structure of the body influence movement.

**PT 412. Motor Control & Learning. 3 Hours.**

This course is a capstone course for the BS in Kinesiology degree. It provides students with a holistic overview of current theoretical and applied perspectives in the field of motor control and learning and discusses their implications for kinesiology and for physical therapy. The course will primarily be focused at the behavioral level of analysis and thus will complement the neurophysiological approach taken in PT 450. A major emphasis in this course will be to compare and contrast the theoretical approaches of information processing and dynamic systems in the understanding of both normal and pathological human motor behavior. Implications for the analysis and treatment of movement disorders stemming from both approaches will be examined. This analysis will allow students to constructively criticize current assumptions underlying motor control for motor performance and neurological rehabilitation, and to understand how theoretical frameworks bias evaluation and treatment options. Given a theoretical understanding of past and current approaches to motor control and learning, students will be able to flexibly design their own exercise and treatment approaches. Students will be required to design and conduct an experiment using current computerized technology in an attempt to answer an applied or basic science motor control question. The data from the experiment will be analyzed and written up as if it were to be submitted for publication in a motor control/learning journal. Students will also present their research to the class on completion of the experiment. Prerequisite(s): PT 411.

**PT 415. Therapeutic Skills I. 3 Hours.**

This course is designed to introduce students to the assessment and treatment techniques integral to the practice of physical therapy. This course is the first of a three-part series designed to teach the appropriate selection and use of devices and techniques that all physical therapists should be capable of using. The aim of this course is for the student to safely apply the skills learned in this course to patients during the first clinical education placement at the end of year four. This course is divided into two parts. Part One is devoted to learning proper body mechanics, safety procedures, patient approach, and therapeutic massage techniques. Part Two is devoted to goniometry, manual muscle testing, quadrant scanning, and therapeutic exercise of the trunk and extremities.

**PT 416. Therapeutic Skills II. 1 Hour.**

Therapeutic Skills II is devoted to learning the proper and safe movement of patients between surfaces, including body mechanics, bed mobility, and transfer training. The students will also be introduced to vital signs assessment and the selection and use of devices and techniques related to gait training. Prerequisite(s): PT 415.
PT 417. Physical Agents I. 3 Hours.
This course is designed to introduce the students to the scientific and clinical principles involved in the use of physical agents (modalities) in patient assessment and treatment. The course focuses on thermal, light, sound, electrophysiological, and mechanical agents used by physical therapists to treat patients, and explores the physics, physiology, and clinical aspects of commonly used modalities. The lab part of the course is designed to introduce the students to the use of therapeutic modalities in patient treatment and to allow them to practice application of modalities introduced in lecture. The aim of this course is for the student to understand the indications and contraindications of thermal, sound, and mechanical modalities and to acquire the skills to be able to safely apply them to patients during the first clinical placement.

PT 418. Physical Agents II. 1 Hour.
This is the second part of a two part lab series that builds on content acquired in PT 417. This course focuses on the practice of electrical stimulation and biofeedback used by physical therapists in the treatment of patients. The aim of this course is for the student to understand the indications and contraindications of these modalities and to acquire the skills to be able to safely apply them to patients during the first clinical placement. Prerequisite(s): PT 417.

PT 420. Life Cycles I. 2 Hours.
This course, the first in a two-course sequence, presents the relationship of structure and function to the development of movement skills across the entire life span. Normal physical development and normal movement of an individual is described from the time of conception through old age with emphasis on children under five years and adults over sixty-five years. Students will be introduced to movement disorders that are characteristic of specific age stages. This course is taught from a life span perspective in which social, psychological, and physical factors all interact to influence function. Prerequisite(s): PT 410 and PT 411 and PT 415 and PT 417.

PT 425. Exercise Physiology. 3 Hours.
This course examines human physiologic responses to physical activity. The first three units of the course address acute responses to physical activity, with a focus on metabolic, muscular, cardiovascular, and neuroendocrine homeostatic control mechanisms, as well as the influence of environmental factors on acute responses. The final unit of the course involves a discussion of factors that contribute to fatigue, and examines the evidence regarding adaptations to chronic physical activity and exercise. Students will learn how the principles of frequency, intensity, duration, specificity, and reversibility affect the benefits of physical activity for health and human performance. In addition, performance benefits attributable to the use of ergogenic aids will be discussed. Prerequisite(s): SC 221 and SC 222 and SC 291.

PT 431. Psychosocial Aspects of Physical Therapy. 3 Hours.
The purpose of this three-credit experiential course is to guide the student in the attainment of attitudes, behaviors, and values appropriate to a healthcare practitioner. Through an examination of physical therapy as a profession, students will identify the changing and emerging roles of the physical therapist in the current healthcare environment. Students will be introduced to professional ethics, practice expectations, laws and regulations that define and limit the scope of physical therapy practice. Effective verbal and written communication skills will be emphasized, using issues relevant to physical therapy as vehicles for the practice of communication skills.

PT 435. Principles of Physiology. 3 Hours.
This course provides an overview of human physiology required for the understanding of clinical conditions in patients referred for physical therapy. Prerequisite(s): SC 221 and SC 222 and SC 291.

PT 450. Neurophysiology. 3 Hours.
This course will give students a basic understanding of the neuroanatomical and neurophysiological substrates underlying human perception, movement, cognition and language. The course will pay particular attention to the sensory and motor systems that contribute to the control of posture and movement. Both normal and pathological functioning of the nervous system will be discussed. Common dysfunctions of the neuromuscular system will be addressed through lectures, student literature reviews, and classroom discussion. Students will be required to review recent neuroscience research investigating commonly encountered neural pathologies. Clinical illustrations will be discussed throughout the course. This discussion will include etiology, pathology and therapeutic and pharmacological treatment options where applicable. The course will enable students to apply neuroanatomical knowledge in analyzing a collection of patient signs and symptoms to determine the location and type of CNS lesion. Prerequisite(s): PT 410 and PT 415 and PT 417.

PT 500. Clinical Edu II. 4 Hours.
An eight-week full-time clinical experience during the fall semester of the second professional year. This course is designed to provide the student with competency in the intermediate to entry level skills of managing musculoskeletal dysfunction, basic to intermediate skills of managing patients with neurological dysfunction, and exposure to administrative functions of the physical therapist. Prerequisite(s): PT 400.

PT 510. Neuromuscular I. 3 Hours.
This course provides students with an overview of the examination and treatment of the adult client with a neurological lesion. It presents the philosophies underlying the major treatment approaches, and discusses strengths as well as limitations of these philosophies. The course focuses on the patient who has had a cerebrovascular accident, however the principles presented in this course can be applied to patients with a variety of neurological lesions. A hypothesis-based approach to development of an intervention strategy will be presented and emphasized. Laboratory sessions focus on hands-on management techniques for the patients with neurological deficits. Students will be required to read and critically analyze primary literature related to neurological rehabilitation. Prerequisite(s): PT 420 and PT 412 and PT 416 and PT 418 and PT 450.

PT 515. Therapeutic Skills III. 3 Hours.
This is the third of four courses designed to introduce students to the scientific and clinical principles involved in the use of various therapeutic skills in patient care. This course emphasizes orthopedic evaluation and treatment skills of the upper and lower extremities and some neurological treatment skills related to proprioceptive neuromuscular facilitation (PNF). The emphasis of the class is on development of manual therapy skills and the application of therapeutic exercise prescription. Part of the material pertaining to performing a musculoskeletal screening is taught in the week prior to the start of Fall semester in combination with PT 550 Musculoskeletal I on a different schedule. Prerequisite(s): PT 411 and PT 415.

PT 520. Life Cycles II. 3 Hours.
This course, the second in a two-course sequence, explores the impact of chronic disorders on growth, development, movement and aging. Students will use information describing the typically-development and typically aging individual to determine the changes in structure, function and movement expected from a specific pathology. This course is taught from a life span perspective in which social, psychological, and physical factors all interact to impact function. Prerequisite(s): PT 550 and PT 515 and PT 528.
PT 528. Ethical/Legal/Management Issues in Physical Therapy. 3 Hours.
This course allows the student to explore in detail the many legal and ethical issues inherent in the United States health care system. Tools such as the APTA code of Ethics and Standards of Practice, and the Maine Practice Act for Physical Therapy will be utilized while students resolve frequently encountered ethical and legal dilemmas through case study. The course also examines current issues and trends in physical therapy clinical management. Topics such as: reimbursement, human resource management, quality, risk, and information management are covered, to name only a few. Prerequisite(s): PT 420 and PT 412 and PT 416 and PT 418 and PT 450.

PT 530. Rehabilitation of Chronic Conditions. 3 Hours.
This course explores a variety of chronic conditions and their sequelae, including metabolic, vascular, auto-immune, malignant, infectious and traumatic disorders. The course will cover the pathology, medical and surgical management, psychosocial issues, and the role of the physical therapist and other health care team members in patient evaluation and treatment. Prerequisite(s): PT 550 and PT 515.

PT 550. Musculoskeletal I. 4 Hours.
This course provides an introduction to examination, evaluation and treatment for orthopedic conditions with the emphasis on peripheral conditions. Students learn and practice screening examinations and joint specific examinations including special tests. Differential diagnosis through selective tissue tensioning lays the initial foundation for patient care development and practice throughout the course. Students examine commonly utilized orthopedic outcome tools for reliability and validity. Prerequisite(s): PT 416 and PT 418.

PT 552. Musculoskeletal II. 3 Hours.
This is the second of two courses designed to introduce students to the scientific and clinical principles involved in the evaluation and treatment of orthopedic conditions treated by physical therapists. This course will build on the orthopedic evaluation, assessment and intervention skills related to PT 550 Musculoskeletal I, PT 515 Therapeutic Skills III. This course will cover the anatomy, biomechanics, and the skills needed to evaluate and treat orthopedic related pathologies and disorders of the pelvic girdle and spine employing the assessment and intervention techniques from a McKenzie approach to low back pain and a Muscle Energy approach for the spine and pelvis. Additional topics will include Australian Lumbar Stabilization concepts, back school components and set up, ergonomics and work related functional capacity evaluations, work hardening and work conditioning programs. Prerequisite(s): PT 550 and PT 515.

PT 554. Musculoskeletal III. 3 Hours.
This is the third of three courses designed to introduce students to the scientific and clinical principles involved in the evaluation and treatment of orthopedic conditions treated by physical therapists. This course will allow students to acquire more advanced skills in the evaluation and treatment of pelvic girdle, spinal, rib cage and temperomandibular joint related orthopedic pathologies and disorders. Manual therapy techniques will be discussed based on the biomechanics of the skeletal joints. Adjunctive treatment procedures used in orthopedics will be discussed. The goal of this course is to prepare the student to evaluate and treat common disorders of the spine, pelvic girdle, and rib cage and to be able to differentiate between distal and proximal nerve pathologies. Intervention approaches will emphasize the concept of identifying the tissue or tissues in lesion when possible and applying the Optimum Stimulation for Regeneration via manual therapy techniques and exercise. Major emphasis will be placed on Nordic manual techniques with frequent reference to Australian manual therapy concepts and Medical Exercise Training concepts. Case studies will be used to help students apply the concepts. Prerequisite(s): PT 552 and PT 550 and PT 515.

PT 556. Cardiorespiratory. 3 Hours.
This course uses a mix of lectures, labs and small group sessions as well as independent study to help the student develop competencies in assessment and treatment of cardiopulmonary impairments and associated disabilities so that they can provide safe and effective patient interventions. Students will develop assessment skills that will enable them to identify acute and chronic cardiopulmonary/ cardiovascular impairments across the lifespan and to choose and apply treatment strategies appropriate to the problems identified during their assessment. Prerequisite(s): PT 528 and PT 552 and PT 601.

PT 561. Pathophysiology. 3 Hours.
This course adds to the knowledge base of the student by providing instruction regarding the pathology of disease states, the implications of the disease as regards system impairments, functional limitations, and disablement. Further, the content will include discussions of the evidence in support of the available treatment of each disease discussed, and how the particular pathology influences the therapeutic regime. Students will participate in lectures and will use several vehicles to disseminate information about a chosen pathology. Prerequisite(s): PT 450 and PT 550.

PT 599. Advanced Physical Therapy Elective. 3 Hours.
This course provides advanced study in small groups of varying areas related to physical therapy practice. Prerequisite(s): PT 603 and PT 610 and PT 650 and PT 608.

PT 600. Clinical Edu III. 4 Hours.
This eight-week full-time clinical experience is designed to provide the student with competency in the intermediate to entry level skills of managing musculoskeletal dysfunction; basic to intermediate skills of managing patients with neurological, cardiopulmonary, and integumentary dysfunctions; and basic to intermediate administrative functions. The learner is expected to actively participate, with supervision, in the entire patient management process, demonstrating critical-thinking skills and effective communication skills. Prerequisite(s): PT 500.
PT 601. Research Methods I. 1 Hour.
This course is the first in a four-semester Research Methods series. Students will work in groups to initiate a research project under the guidance of a faculty researcher. Students will conduct a literature review, formulate research questions, design a research methodology to answer those questions, and develop a research proposal. If appropriate, students will submit the proposal to an Institutional Review Board. Prerequisite(s): PT 420 and PT 412 and PT 450 and PT 515 and PT 550 and MS 345.

PT 602. Research Methods II. 1 Hour.
This course is the second course in a four-semester Research Methods series. It is intended to follow the IRB approval of a research proposal. During this semester students will work in groups with their research advisor to finalize their data collection protocol, establish a data collection management system, seek participants following the guidelines established by the IRB proposal and informed consent process, initiate data collection for their research project, and document collected data following the established management guidelines. Prerequisite(s): PT 601 and PT 552 and PT 528.

PT 603. Research Methods III. 2 Hours.
This course is the third course in the four-semester Research Methods series. It intends to prepare students for writing a journal quality manuscript, with appropriate use of statistical analysis. During this semester, students will work in groups to complete the data collection and analysis for their research projects. Prerequisite(s): PT 602 and PT 554 and PT 560 and PT 520 and PT 561.

PT 604. Research Methods IV. 3 Hours.
This course is the final course in the four-semester Research Methods series. It prepares students for presentation of a completed research study using three different formats, including an oral presentation, a scientific paper, and a poster. The course discusses differences among these three formats, as well as the qualities that contribute to excellence and the pitfalls to avoid in each type of presentation. Students will also gain experience in writing a formal critique of a manuscript. Students are expected to apply the knowledge they have gained from other classes regarding presentations, communication, and education. Prerequisite(s): PT 603 and PT 610 and PT 650 and PT 661 and PT 608.

PT 605. Advanced Anatomy. 1 Hour.
This course provides a review of neural, vascular, and musculoskeletal anatomy initially covered in the first gross anatomy course. This review will make use of previously prospected cadaveric specimens as it integrates knowledge of anatomical pathology learned in previous clinical physical therapy courses. This course serves as a review for the physical therapist licensing exam. Prerequisite(s): PT 603 and PT 610 and PT 650 and PT 661 and PT 608.

PT 608. PT Management of Children with Neurologic Dysfunction. 3 Hours.
This course is designed to provide the PT student with clinical specialty skills in pediatric neuro-rehabilitation. Students will develop competencies in the assessment and management of the child diagnosed with any of the primary neurological conditions found in pediatrics. A holistic view of the child is stressed, especially the interrelationships among the child, the family, and the community. Prerequisite(s): PT 552 and PT 560 and PT 520.

PT 610. Neuromuscular II. 3 Hours.
This course is the second part of the series in neurological rehabilitation in the Physical Therapy program. It builds on the foundational courses of Neurophysiology and Neuromuscular I, covering the pathology, medical management, and physical therapy intervention for a number of neurological conditions that are representative of the most common neurological diagnoses seen in clinical practice. In addition to mastering new treatment techniques and interventions, students will learn to apply the principles and skills learned in previous courses to diverse neurologically-impaired populations. This course also exposes students to current benchwork scientific research related to the conditions studied, emphasizes critical analysis of primary scientific literature. Prerequisite(s): PT 450 and PT 510.

PT 615. Advanced Spinal Manual Therapy. 3 Hours.
This elective course is designed to provide the student with a more in-depth approach to evaluation and treatment techniques for the spine, pelvic girdle and ribs from a manual therapy perspective. The main emphasis of the course will be on improving clinical reasoning skills in identifying the specific lesion(s) and the treatment approach. The second goal is to improve manual skills that emphasize the Nordic approach, the Australian lumbar and pelvic stabilization concepts and the use of exercise in rehab. The treatment concepts are based on current scientific research principles. The lab sessions emphasize the development of palpation and technique application skills. The integration of manual therapy skills with exercise programs and patient education is an important component of this course.

PT 616. Sports Medicine. 3 Hours.
This elective course is designed as an overview of sports medicine from a physician-based model and a sports therapist perspective. This course includes a review of musculoskeletal therapies with an emphasis on manual skills for prevention, evaluation, and treatment of athletic injuries. The physician-based model provides an overview of all body systems as they pertain to athletics. Topics will emphasize variations from young to old and male to female athletes.

PT 617. Orthotics & Prosthetics. 3 Hours.
This course provides an analysis of contemporary upper and lower-limb orthotic and prosthetic components and trunk orthoses, including the biomechanical principles upon which the designs are based. Topics include the static and dynamic evaluation of patients fitted with orthoses and prostheses. Discussion will also include recent trends in early and prosthetic management for adults and children with amputation. The role of physical therapist as part of the rehabilitation team in selecting orthotic and prosthetic devices will be examined. Prerequisite(s): PT 554.

PT 618. Health and Wellness. 3 Hours.
This course is designed as an overview of health and wellness as it can be incorporated into a physical therapy practice. This course will review statistics, risks, treatment options, and prevention strategies for many chronic health problems. Age and gender differences will be reviewed in the discussion of treatment and prevention strategies. Students will work in groups to develop and present a health and wellness business proposal. The final copy of this proposal will be in format suitable to deliver to the student’s next employer. Prerequisite(s): PT 661 and PT 664.
PT 620. Primary Health Care. 2 Hours.
This course provides students with an overview of patient interview and evaluation techniques for the primary health care provider. As autonomous practitioners, physical therapists are responsible for identifying factors that affect a patient’s response to treatment and may necessitate referral to a physician for follow-up and treatment. This course uses a case-based approach to the medical screening process to help students develop interview and evaluation skills that facilitate this process. In addition students will learn to use pharmacological and basic laboratory data essential to the screening process. Prerequisite(s): PT 610 and PT 650 and PT 608.

PT 625. Prosthetics in Rehabilitation. 2 Hours.
This course is designed to present entry level information regarding management of the patient with an upper or lower extremity amputation. The course will be co-taught by the primary instructor and a local prosthetist, each bringing a different perspective and area of expertise to the class. Students will learn about pre-prosthetic management, prosthetic prescription, various prosthetic components, and about therapeutic skills to use when working with a patient who has had an amputation. A multi-disciplinary approach will be emphasized throughout the course. Prerequisite(s): PT 411.

PT 630. The Physical Therapist as Educator, Consultant and Advocate. 2 Hours.
This seminar course is designed to provide an examination of the educational factors supporting successful adult learning within health care settings. Students will examine the impact of identity differences (race, ethnicity, class, gender, disability and other identity differences), adult development theories and learning theories in the education of adults. Students will explore the educational principles and methodologies needed to educate various constituencies within healthcare. Through the application of theories, principles, and methodologies in a community health project, students will acquire the pedagogical foundations to develop, deliver, and evaluate educational products for their clients, professional peers and physical therapy students. Prerequisite(s): PT 552 and PT 560 and PT 520.

PT 640. Medical Imaging and Rehabilitation. 1 Hour.
This course will provide the PT clinical doctoral learner with the tools needed to interpret and apply specialized medical imaging information to the rehabilitation patient. Musculoskeletal imaging is emphasized. A basic introduction of imaging techniques for other physiological systems (CNS, Heart, lung, vascular tree) will also be incorporated (Doppler ultrasound, V/Q scan, echocardiography, radioisotope testing, etc.). This course strengthens physical therapist clinical expertise in comprehensive patient evaluation, diagnosis, treatment planning, and physician interaction. Prerequisite(s): PT 560 and PT 510 and PT 552.

PT 642. Pharmacology and Rehabilitation. 1 Hour.
This course will provide the PT clinical doctoral learner with the primary drug classes and the physiologic basis of their action. Drugs will be grouped according to their general effects and the type of disorders they are routinely used to treat. Special emphasis will be placed on drugs that are commonly used to treat people receiving physical therapy. This course will likewise address how drug therapy interacts with physical therapy, and how drugs can exert beneficial effects as well as adverse side effects that impact on rehabilitation. A specific area of focus will include geriatric pharmacology. Prerequisite(s): PT 561.

PT 650. Patient Care Seminar I. 2 Hours.
This is a seminar course in which the management of variety of actual cases is discussed in small groups. Students will each present both a written and an oral case study, based on a real patient they treated during Clin Ed II. The overall management of the patient, from initial examination to discharge from PT services, as well as follow-up care will be discussed. Discussion will focus on the strengths of the patient management provided, as well as areas that could have been improved. Evidence-based practice, and reflective practice are emphasized. Prerequisite(s): PT 552 and PT 560 and PT 520.

PT 652. Patient Care Seminar II. 1 Hour.
This capstone seminar course builds on the themes of reflective and evidence-based practice that were stressed in PT650. Management of patient cases is discussed in small groups, with additional emphasis placed on independent library research on the seminar topics. Prerequisite(s): PT 650 and PT 700.

PT 661. Exercise for Special Populations. 3 Hours.
This course builds on the knowledge base and the assessment and treatment skills that students developed during their first two years in the professional phase of the DPT. The course will allow students to investigate the role of exercise as a treatment strategy across various conditions and disease states, and across the lifespan. The focus of the course will be mastery of the Knowledge, Skills, and Abilities as set forth by the American College of Sports Medicine in their guidelines and position stands for exercise in various populations. These include, but are not limited to, Heart Disease, Hypertension, Children, Older Adults, Pregnancy, Obesity, and Diabetes. Students will participate in lectures as well as observational experiences in wellness and/or medical settings to further enhance the skills needed to assess and treat complex patients with multi-system involvement. Students will also be responsible for a semester project in which they will be challenged to defend patient interventions using evidence from current literature. Prerequisite(s): PT 560 and PT 561.

PT 664. Geriatrics. 3 Hours.
This course will provide students with the knowledge base for understanding the demographics of aging in industrialized societies, as well as the physical, psychological and emotional aspects of healthy human aging including the affects of age-related diseases and conditions. The students will be required to formulate plans for treatment of the geriatric physical therapy patient including assessment, education, and application of therapeutic interventions. Prerequisite(s): PT 510.

PT 698. Individualized Physical Therapy Remediation. 1-7 Hour.
The Individualized Physical Therapy Remediation is a variably-credit course. In this course, an individual student and a designated faculty member, or members, study subject matter as part of an individualized remediation plan for learning content that was incompletely learned in prior PT courses. The Individualized Physical Therapy Remediation course is available to DPT professional-phase students only with the written recommendation of the Physical Therapy Academic Review Committee.

PT 699. Special Topics in Health Care. 2 Hours.
Variable Topic Course in Physical Therapy.
Doctor in Physical Therapy/B.S. in Kinesiology

Pre-Professional Students in the Graduating Class of 2014 and Beyond

Doctor in Physical Therapy/B.S. in Kinesiology (Years 1, 2, and 3)

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<td>Rhetoric and Composition II</td>
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<td>EH 200</td>
<td>Approaches to Literature</td>
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<tr>
<td>EH 360</td>
<td>Writing in the Health Professions</td>
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<td>HE 111</td>
<td>The Husson Experience</td>
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<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
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<td>MS 180</td>
<td>Precalculus with Trigonometry</td>
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<td>PH 110</td>
<td>Introduction to Ethics</td>
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<td>SC 224</td>
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<td>SC 292</td>
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<td>SC 334</td>
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1 Electives (5)—may be taken any time before the Fall of the 4th year and used to meet General Education Requirements. One elective must include a 300+ level course in either psychology or biology. Also required are community service and co-curricular activities.

Professional Phase Courses (Years 4, 5, and 6)

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<td>MS 345</td>
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<td>PT 410</td>
<td>Gross Anatomy</td>
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<td>PT 411</td>
<td>Kinesiology &amp; Biomechanics</td>
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<td>PT 412</td>
<td>Motor Control &amp; Learning</td>
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<td>Therapeutic Skills I</td>
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<td>Physical Agents I</td>
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<td>Physical Agents II</td>
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<td>PT 420</td>
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<td>PT 431</td>
<td>Psychosocial Aspects of Physical Therapy</td>
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<td>PT 450</td>
<td>Neurophysiology</td>
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<td>PT 515</td>
<td>Therapeutic Skills III</td>
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<td>PT 520</td>
<td>Life Cycles II</td>
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<td>PT 528</td>
<td>Ethical/Legal/Management Issues in Physical Therapy</td>
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<td>PT 530</td>
<td>Rehabilitation of Chronic Conditions</td>
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<td>PT 550</td>
<td>Musculoskeletal I</td>
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<td>Cardiorespiratory</td>
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<td>Pathophysiology</td>
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<td>PT 599</td>
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<td>PT 625</td>
<td>Prosthetics in Rehabilitation</td>
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<td>The Physical Therapist as Educator, Consultant and Advocate</td>
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<td>PT 664</td>
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### Suggested Course Sequence (Professional Phase)

**First Year**

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**Second Year**

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**Third Year**

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Total Hours: 114

### Courses

**PT 200. Intro to Physical Therapy. 0 Hours.**
A seminar based non-credit course to introduce pre-professional students to the curriculum and profession of Physical Therapy.

**PT 399. Topic/. 3 Hours.**
This elective course provides the opportunity to introduce varied topics concerning kinesiology, anatomy, physiology, or physical therapy. This course is for students enrolled in the preprofessional phase of the physical therapy program. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222.

**PT 400. Clinical Edu I. 4 Hours.**
An eight week full-time basic physical therapy skills affiliation scheduled in the summer following the first professional year. Designed to provide the learner with competency in the beginning clinical skills of client-therapist interactions, case history development, simple musculoskeletal and functional assessments, application of simple treatment techniques and modalities, participation in the planning and design of treatment program, and basic to intermediate skills in the orthopedic management of peripheral joint dysfunction. Prerequisite(s): PT 550 and PT 515.

**PT 410. Gross Anatomy. 5 Hours.**
An in-depth study of gross anatomy with an emphasis on muscular, skeletal, neural, and vascular structures and systems. Course content will pay particular attention to functional anatomy of the appendages and their associated girdles, the back, and the head and neck. Lecture and classroom discussions are combined with cadaver dissections to provide a thorough and clinically relevant knowledge base for subsequent diagnostic and treatment-centered courses.

**PT 411. Kinesiology & Biomechanics. 3 Hours.**
A comprehensive study of human movement with an emphasis on biomechanical and kinesiological concepts of normal and pathological movement of each body region. The course will include lecture and laboratory components that will integrate fundamental mechanical and kinesiological principles in the analysis of joint motion throughout the body. The course builds on anatomical knowledge to give students an in-depth appreciation of how normal and abnormal structure of the body influence movement.
PT 412. Motor Control & Learning. 3 Hours.
This course is a capstone course for the BS in Kinesiology degree. It provides students with a holistic overview of current theoretical and applied perspectives in the field of motor control and learning and discusses their implications for kinesiology and for physical therapy. The course will primarily be focused at the behavioral level of analysis and thus will complement the neuropsychological approach taken in PT 450. A major emphasis in this course will be to compare and contrast the theoretical approaches of information processing and dynamic systems in the understanding of both normal and pathological human motor behavior. Implications for the analysis and treatment of movement disorders stemming from both approaches will be examined. This analysis will allow students to constructively criticize current assumptions underlying motor control for motor performance and neurological rehabilitation, and to understand how theoretical frameworks bias evaluation and treatment options. Given a theoretical understanding of past and current approaches to motor control and learning, students will be able to flexibly design their own exercise and treatment approaches. Students will be required to design and conduct an experiment using current computerized technology in an attempt to answer an applied or basic science motor control question. The data from the experiment will be analyzed and written up as if it were to be submitted for publication in a motor control/learning journal. Students will also present their research to the class on completion of the experiment. Prerequisite(s): PT 411.

PT 415. Therapeutic Skills I. 3 Hours.
This course is designed to introduce students to the assessment and treatment techniques integral to the practice of physical therapy. This course is the first of a three-part series designed to teach the appropriate selection and use of devices and techniques that all physical therapists should be capable of using. The aim of this course is for the student to safely apply the skills learned in this course to patients during the first clinical education placement at the end of year four. This course is divided into two parts. Part One is devoted to learning proper body mechanics, safety procedures, patient approach, and therapeutic massage techniques. Part Two is devoted to goniometry, manual muscle testing, quadrant scanning, and therapeutic exercise of the trunk and extremities.

PT 416. Therapeutic Skills II. 1 Hour.
Therapeutic Skills II is devoted to learning the proper and safe movement of patients between surfaces, including body mechanics, bed mobility, and transfer training. The students will also be introduced to vital signs assessment and the selection and use of devices and techniques related to gait training. Prerequisite(s): PT 415.

PT 417. Physical Agents I. 3 Hours.
This course is designed to introduce the students to the scientific and clinical principles involved in the use of physical agents (modalities) in patient assessment and treatment. The course focuses on thermal, light, sound, electrophysiological, and mechanical agents used by physical therapists to treat patients, and explores the physics, physiology, and clinical aspects of commonly used modalities. The lab part of the course is designed to introduce the students to the use of therapeutic modalities in patient treatment and to allow them to practice application of modalities introduced in lecture. The aim of this course is for the student to understand the indications and contraindications of thermal, sound, and mechanical modalities and to acquire the skills to be able to safely apply them to patients during the first clinical placement.

PT 418. Physical Agents II. 1 Hour.
This is the second part of a two part lab series that builds on content acquired in PT 417. This course focuses on the practice of electrical stimulation and biofeedback used by physical therapists in the treatment of patients. The aim of this course is for the student to understand the indications and contraindications of these modalities and to acquire the skills to be able to safely apply them to patients during the first clinical placement. Prerequisite(s): PT 417.

PT 420. Life Cycles I. 2 Hours.
This course, the first in a two-course sequence, presents the relationship of structure and function to the development of movement skills across the entire life span. Normal physical development and normal movement of an individual is described from the time of conception through old age with emphasis on children under five years and adults over sixty-five years. Students will be introduced to movement disorders that are characteristic of specific age stages. This course is taught from a life span perspective in which social, psychological, and physical factors all interact to influence function. Prerequisite(s): PT 410 and PT 411 and PT 415 and PT 417.

PT 425. Exercise Physiology. 3 Hours.
This course examines human physiologic responses to physical activity. The first three units of the course address acute responses to physical activity, with a focus on metabolic, muscular, cardiovascular, and neuroendocrine homeostatic control mechanisms, as well as the influence of environmental factors on acute responses. The final unit of the course involves a discussion of factors that contribute to fatigue, and examines the evidence regarding adaptations to chronic physical activity and exercise. Students will learn how the principles of frequency, intensity, duration, specificity, and reversibility affect the benefits of physical activity for health and human performance. In addition, performance benefits attributable to the use of ergogenic aids will be discussed. Prerequisite(s): SC 221 and SC 222 and SC 291.

PT 431. Psychosocial Aspects of Physical Therapy. 3 Hours.
The purpose of this three-credit experiential course is to guide the student in the attainment of attitudes, behaviors, and values appropriate to a healthcare practitioner. Through an examination of physical therapy as a profession, students will identify the changing and emerging roles of the physical therapist in the current healthcare environment. Students will be introduced to professional ethics, practice expectations, laws and regulations that define and limit the scope of physical therapy practice. Effective verbal and written communication skills will be emphasized, using issues relevant to physical therapy as vehicles for the practice of communication skills.

PT 435. Principles of Physiology. 3 Hours.
This course provides an overview of human physiology required for the understanding of clinical conditions in patients referred for physical therapy. Prerequisite(s): SC 221 and SC 222 and SC 291.
PT 450. Neurophysiology. 3 Hours.
This course will give students a basic understanding of the neuroanatomical and neurophysiological substrates underlying human perception, movement, cognition and language. The course will pay particular attention to the sensory and motor systems that contribute to the control of posture and movement. Both normal and pathological functioning of the nervous system will be discussed. Common dysfunctions of the neuromuscular system will be addressed through lectures, student literature reviews, and classroom discussion. Students will be required to review recent neuroscience research investigating commonly encountered neural pathologies. Clinical illustrations will be discussed throughout the course. This discussion will include etiology, pathology and therapeutic and pharmacological treatment options where applicable. The course will enable students to apply neuroanatomical knowledge in analyzing a collection of patient signs and symptoms to determine the location and type of CNS lesion. Prerequisite(s): PT 410 and PT 411 and PT 415 and PT 417.

PT 500. Clinical Edu II. 4 Hours.
An eight-week full-time clinical experience during the fall semester of the second professional year. This course is designed to provide the student with competency in the intermediate to entry level skills of managing musculoskeletal dysfunction, basic to intermediate skills of managing patients with neurological dysfunction, and exposure to administrative functions of the physical therapist. Prerequisite(s): PT 400.

PT 510. Neuromuscular I. 3 Hours.
This course provides students with an overview of the examination and treatment of the adult client with a neurological lesion. It presents the philosophies underlying the major treatment approaches, and discusses strengths as well as limitations of these philosophies. The course focuses on the patient who has had a cerebrovascular accident, however the principles presented in this course can be applied to patients with a variety of neurological lesions. A hypothesis-based approach to development of an intervention strategy will be presented and emphasized. Laboratory sessions focus on hands-on management techniques for the patients with neurological deficits. Students will be required to read and critically analyze primary literature related to neurological rehabilitation. Prerequisite(s): PT 420 and PT 412 and PT 416 and PT 418 and PT 450.

PT 515. Therapeutic Skills III. 3 Hours.
This is the third of four courses designed to introduce students to the scientific and clinical principles involved in the use of various therapeutic skills in patient care. This course emphasizes orthopedic evaluation and treatment skills of the upper and lower extremities and some neurological treatment skills related to proprioceptive neuromuscular facilitation (PNF). The emphasis of the class is on development of manual therapy skills and the application of therapeutic exercise prescription. Part of the material pertaining to performing a musculoskeletal screening is taught in the week prior to the start of Fall semester in combination with PT 550 Musculoskeletal I on a different schedule. Prerequisite(s): PT 411 and PT 415.

PT 520. Life Cycles II. 3 Hours.
This course, the second in a two-course sequence, explores the impact of chronic disorders on growth, development, movement and aging. Students will use information describing the typically-development and typically aging individual to determine the changes in structure, function and movement expected from a specific pathology. This course is taught from a life span perspective in which social, psychological, and physical factors all interact to impact function. Prerequisite(s): PT 550 and PT 515 and PT 528.

PT 528. Ethical/Legal/Management Issues in Physical Therapy. 3 Hours.
This course allows the student to explore in detail the many legal and ethical issues inherent in the United States health care system. Tools such as the APTA code of Ethics and Standards of Practice, and the Maine Practice Act for Physical Therapy will be utilized while students resolve frequently encountered ethical and legal dilemmas through case study. The course also examines current issues and trends in physical therapy clinical management. Topics such as: reimbursement, human resource management, quality, risk, and information management are covered, to name only a few. Prerequisite(s): PT 420 and PT 412 and PT 416 and PT 418 and PT 450.

PT 530. Rehabilitation of Chronic Conditions. 3 Hours.
This course explores a variety of chronic conditions and their sequelae, including metabolic, vascular, auto-immune, malignant, infectious and traumatic disorders. The course will cover the pathology, medical and surgical management, psychosocial issues, and the role of the physical therapist and other health care team members in patient evaluation and treatment. Prerequisite(s): PT 550 and PT 515.

PT 550. Musculoskeletal I. 4 Hours.
This course provides an introduction to examination, evaluation and treatment for orthopedic conditions with the emphasis on peripheral conditions. Students learn and practice screening examinations and joint specific examinations including special tests. Differential diagnosis through selective tissue tensioning lays the initial foundation for patient case development and practice throughout the course. Students examine commonly utilized orthopedic outcome tools for reliability and validity. Prerequisite(s): PT 416 and PT 418.

PT 552. Musculoskeletal II. 3 Hours.
This is the second of two courses designed to introduce students to the scientific and clinical principles involved in the evaluation and treatment of orthopedic conditions treated by physical therapists. This course will build on the orthopedic evaluation, assessment and intervention skills related to PT 550 Musculoskeletal I, PT 515 Therapeutic Skills III. This course will cover the anatomy, biomechanics, and the skills needed to evaluate and treat orthopedic related pathologies and disorders of the pelvic girdle and spine employing the assessment and intervention techniques from a McKenzie approach to low back pain and a Muscle Energy approach for the spine and pelvis. Additional topics will include Australian Lumbar Stabilization concepts, back school components and set up, ergonomics and work related functional capacity evaluations, work hardening and work conditioning programs. Prerequisite(s): PT 550 and PT 515.
PT 554. Musculoskeletal III. 3 Hours.
This is the third of three courses designed to introduce students to the scientific and clinical principles involved in the evaluation and treatment of orthopedic conditions treated by physical therapists. This course will allow students to acquire more advanced skills in the evaluation and treatment of pelvic girdle, spinal, rib cage and temperomandibular joint related orthopedic pathologies and disorders. Manual therapy techniques will be discussed based on the biomechanics of the skeletal joints. Adjunctive treatment procedures used in orthopedics will be discussed. The goal of this course is to prepare the student to evaluate and treat common disorders of the spine, pelvic girdle, and rib cage and to be able to differentiate between distal and proximal nerve pathologies. Intervention approaches will emphasize the concept of identifying the tissue or tissues in lesion when possible and applying the Optimum Stimulation for Regeneration via manual therapy techniques and exercise. Major emphasis will be placed on Nordic manual techniques with frequent reference to Australian manual therapy concepts and Medical Exercise Training concepts. Case studies will be used to help students apply the concepts. Prerequisite(s): PT 552 and PT 550 and PT 515.

PT 560. Cardiorespiratory. 3 Hours.
This course uses a mix of lectures, labs and small group sessions as well as independent study to help the student develop competencies in assessment and treatment of cardiopulmonary impairments and associated disabilities so that they can provide safe and effective patient interventions. Students will develop assessment skills that will enable them to identify acute and chronic cardiopulmonary/cardiovascular impairments across the lifespan and to choose and apply treatment strategies appropriate to the problems identified during their assessment. Prerequisite(s): PT 528 and PT 552 and PT 601.

PT 561. Pathophysiology. 3 Hours.
This course adds to the knowledge base of the student by providing instruction regarding the pathology of disease states, the implications of the disease as regards system impairments, functional limitations, and disability. Further, the content will include discussions of the evidence in support of the available treatment of each disease discussed, and how the particular pathology influences the therapeutic regime. Students will participate in lectures and will use several vehicles to disseminate information about a chosen pathology. Prerequisite(s): PT 450 and PT 550.

PT 599. Advanced Physical Therapy Elective. 3 Hours.
This course provides advanced study in small groups of varying areas related to physical therapy practice. Prerequisite(s): PT 603 and PT 610 and PT 650 and PT 608.

PT 600. Clinical Edu III. 4 Hours.
This eight-week full-time clinical experience is designed to provide the student with competency in the intermediate to entry level skills of managing musculoskeletal dysfunction; basic to intermediate skills of managing patients with neurological, cardiopulmonary, and integumentary dysfunctions; and basic to intermediate administrative functions. The learner is expected to actively participate, with supervision, in the entire patient management process, demonstrating critical-thinking skills and effective communication skills. Prerequisite(s): PT 500.

PT 601. Research Methods I. 1 Hour.
This course is the first in a four-semester Research Methods series. Students will work in groups to initiate a research project under the guidance of a faculty researcher. Students will conduct a literature review, formulate research questions, design a research methodology to answer those questions, and develop a research proposal. If appropriate, students will submit the proposal to an Institutional Review Board. Prerequisite(s): PT 420 and PT 412 and PT 450 and PT 515 and PT 550 and MS 345.

PT 602. Research Methods II. 1 Hour.
This course is the second course in a four-semester Research Methods series. It is intended to follow the IRB approval of a research proposal. During this semester students will work in groups with their research advisor to finalize their data collection protocol, establish a data collection management system, seek participants following the guidelines established by the IRB proposal and informed consent process, initiate data collection for their research project, and document collected data following the established management guidelines. Prerequisite(s): PT 601 and PT 552 and PT 528.

PT 603. Research Methods III. 2 Hours.
This course is the third course in the four-semester Research Methods series. It intends to prepare students for writing a journal quality manuscript, with appropriate use of statistical analysis. During this semester, students will work in groups to complete the data collection and analysis for their research projects. Prerequisite(s): PT 602 and PT 554 and PT 560 and PT 520 and PT 561.

PT 604. Research Methods IV. 3 Hours.
This course is the final course in the four-semester Research Methods series. It prepares students for presentation of a completed research study using three different formats, including an oral presentation, a scientific paper, and a poster. The course discusses differences among these three formats, as well as the qualities that contribute to excellence and the pitfalls to avoid in each type of presentation. Students will also gain experience in writing a formal critique of a manuscript. Students are expected to apply the knowledge they have gained from other classes regarding presentations, communication, and education. Prerequisite(s): PT 603 and PT 610 and PT 650 and PT 661 and PT 608.

PT 605. Advanced Anatomy. 1 Hour.
This course provides a review of neural, vascular, and musculoskeletal anatomy initially covered in the first gross anatomy course. This review will make use of previously prosected cadaveric specimens as it integrates knowledge of anatomical pathology learned in previous clinical physical therapy courses. This course serves as a review for the physical therapist licensing exam. Prerequisite(s): PT 603 and PT 610 and PT 650 and PT 608 and PT 606.

PT 608. PT Management of Children with Neurologic Dysfunction. 3 Hours.
This course is designed to provide the PT student with clinical specialty skills in pediatric neuro-rehabilitation. Students will develop competencies in the assessment and management of the child diagnosed with any of the primary neurological conditions found in pediatrics. A holistic view of the child is stressed, especially the interrelationships among the child, the family, and the community. Prerequisite(s): PT 552 and PT 560 and PT 520.
PT 610. Neuromuscular II. 3 Hours.
This course is the second part of the series in neurological rehabilitation in the Physical Therapy program. It builds on the foundational courses of Neuropathophysiology and Neuromuscular I, covering the pathology, medical management, and physical therapy intervention for a number of neurological conditions that are representative of the most common neurological diagnoses seen in clinical practice. In addition to mastering new treatment techniques and interventions, students will learn to apply the principles and skills learned in previous courses to diverse neurologically-impaired populations. This course also exposes students to current benchwork scientific research related to the conditions studied, emphasizes critical analysis of primary scientific literature. Prerequisite(s): PT 450 and PT 510.

PT 615. Advanced Spinal Manual Therapy. 3 Hours.
This elective course is designed to provide the student with a more in-depth approach to evaluation and treatment techniques for the spine, pelvic girdle and ribs from a manual therapy perspective. The main emphasis of the course will be on improving clinical reasoning skills in identifying the specific lesion(s) and the treatment approach. The second goal is to improve manual skills that emphasize the Nordic approach, the Australian lumbar and pelvic stabilization concepts and the use of exercise in rehab. The treatment concepts are based on current scientific research principles. The lab sessions emphasize the development of palpation and technique application skills. The integration of manual therapy skills with exercise programs and patient education is an important component of this course.

PT 616. Sports Medicine. 3 Hours.
This elective course is designed as an overview of sports medicine from a physician-based model and a sports therapist perspective. This course includes a review of musculoskeletal injuries with an emphasis on manual skills for prevention, evaluation, and treatment of athletic injuries. The physician-based model provides an overview of all body systems as they pertain to athletics. Topics will emphasize variations from young to old and male to female athletes.

PT 617. Orthotics & Prosthetics. 3 Hours.
This course provides an analysis of contemporary upper and lower-limb orthotic and prosthetic components and trunk orthoses, including the biomechanical principles upon which the designs are based. Topics include the static and dynamic evaluation of patients fitted with orthoses and prostheses. Discussion will also include recent trends in early and prosthetic management for adults and children with amputation. The role of physical therapist as part of the rehabilitation team in selecting orthotic and prosthetic devices will be examined. Prerequisite(s): PT 554.

PT 618. Health and Wellness. 3 Hours.
This course is designed as an overview of health and wellness as it can be incorporated into a physical therapy practice. This course will review statistics, risks, treatment options, and prevention strategies for many chronic health problems. Age and gender differences will be reviewed in the discussion of treatment and prevention strategies. Students will work in groups to develop and present a health and wellness business proposal. The final copy of this proposal will be in format suitable to deliver to the student’s next employer. Prerequisite(s): PT 661 and PT 664.

PT 620. Primary Health Care. 2 Hours.
This course provides students with an overview of patient interview and evaluation techniques for the primary health care provider. As autonomous practitioners, physical therapists are responsible for identifying factors that affect a patient’s response to treatment and may necessitate referral to a physician for follow-up and treatment. This course uses a case-based approach to the medical screening process to help students develop interview and evaluation skills that facilitate this process. In addition students will learn to use pharmacological and basic laboratory data essential to the screening process. Prerequisite(s): PT 610 and PT 650 and PT 608.

PT 625. Prosthetics in Rehabilitation. 2 Hours.
This course is designed to present entry level information regarding management of the patient with an upper or lower extremity amputation. The course will be co-taught by the primary instructor and a local prosthetist, each bringing a different perspective and area of expertise to the class. Students will learn about pre-prosthetic management, prosthetic prescription, various prosthetic components, and about therapeutic skills to use when working with a patient who has had an amputation. A multi-disciplinary approach will be emphasized throughout the course. Prerequisite(s): PT 411.

PT 630. The Physical Therapist as Educator, Consultant and Advocate. 2 Hours.
This seminar course is designed to provide an examination of the educational factors supporting successful adult learning within health care settings. Students will examine the impact of identity differences (race, ethnicity, class, gender, disability and other identity differences), adult development theories and learning theories in the education of adults. Students will explore the educational principles and methodologies needed to educate various constituencies within healthcare. Through the application of theories, principles, and methodologies in a community health project, students will acquire the pedagogical foundations to develop, deliver, and evaluate educational products for their clients, professional peers and physical therapy students. Prerequisite(s): PT 552 and PT 560 and PT 520.

PT 640. Medical Imaging and Rehabilitation. 1 Hour.
This course will provide the PT clinical doctoral learner with the tools needed to interpret and apply specialized medical imaging information to the rehabilitation patient. Musculoskeletal imaging is emphasized. A basic introduction of imaging techniques for other physiological systems (CNS, Heart, lung, vascular tree) will also be incorporated (Doppler ultrasound, V/Q scan, echocardiography, radioisotope testing, etc.). This course strengthens physical therapist clinical expertise in comprehensive patient evaluation, diagnosis, treatment planning, and physician interaction. Prerequisite(s): PT 560 and PT 510 and PT 552.

PT 642. Pharmacology and Rehabilitation. 1 Hour.
This course will provide the PT clinical doctoral learner with the primary drug classes and the physiologic basis of their action. Drugs will be grouped according to their general effects and the type of disorders they are routinely used to treat. Special emphasis will be placed on drugs that are commonly used to treat people receiving physical therapy. This course will likewise address how drug therapy interacts with physical therapy, and how drugs can exert beneficial effects as well as adverse side effects that impact on rehabilitation. A specific area of focus will include geriatric pharmacology. Prerequisite(s): PT 561.
PT 650. Patient Care Seminar I. 2 Hours.
This is a seminar course in which the management of variety of actual cases is discussed in small groups. Students will each present both a written and an oral case study, based on a real patient they treated during Clin Ed II. The overall management of the patient, from initial examination to discharge from PT services, as well as follow-up care will be discussed. Discussion will focus on the strengths of the patient management provided, as well as areas that could have been improved. Evidence-based practice, and reflective practice are emphasized. Prerequisite(s): PT 552 and PT 560 and PT 520.

PT 652. Patient Care Seminar II. 1 Hour.
This capstone seminar course builds on the themes of reflective and evidence-based practice that were stressed in PT650. Management of patient cases is discussed in small groups, with additional emphasis placed on independent library research on the seminar topics. Prerequisite(s): PT 650 and PT 700.

PT 661. Exercise for Special Populations. 3 Hours.
This course builds on the knowledge base and the assessment and treatment skills that students developed during their first two years in the professional phase of the DPT. The course will allow students to investigate the role of exercise as a treatment strategy across various conditions and disease states, and across the lifespan. The focus of the course will be mastery of the Knowledge, Skills, and Abilities as set forth by the American College of Sports Medicine in their guidelines and position stands for exercise in various populations. These include, but are not limited to, Heart Disease, Hypertension, Children, Older Adults, Pregnancy, Obesity, and Diabetes. Students will participate in lectures as well as observational experiences in wellness and/or medical settings to further enhance the skills needed to assess and treat complex patients with multi-system involvement. Students will also be responsible for a seminar project in which they will be challenged to defend patient interventions using evidence from current literature. Prerequisite(s): PT 560 and PT 661.

PT 664. Geriatrics. 3 Hours.
This course will provide students with the knowledge base for understanding the demographics of aging in industrialized societies, as well as the physical, psychological and emotional aspects of healthy human aging including the affects of age-related diseases and conditions. The students will be required to formulate plans for treatment of the geriatric physical therapy patient including assessment, education, and application of therapeutic interventions. Prerequisite(s): PT 560 and PT 561.

PT 698. Individualized Physical Therapy Remediation. 1-7 Hour.
The Individualized Physical Therapy Remediation is a variably-credit course. In this course, an individual student and a designated faculty member, or members, study subject matter as part of an individualized remediation plan for learning content that was incompletely learned in prior PT courses. The Individualized Physical Therapy Remediation course is available to DPT professional-phase students only with the written recommendation of the Physical Therapy Academic Review Committee.

PT 699. Special Topics in Health Care. 2 Hours.
Variable Topic Course in Physical Therapy.

PT 700. Clinical Education IV. 4 Hours.
This final eight week full-time affiliation provides the learner with competency in the entry-level skills of managing patients with simple to complex musculoskeletal dysfunction, neurologic dysfunction, cardiopulmonary dysfunction, integumentary problems, or complex medical conditions, as well as entry level skills in the administrative functions of the physical therapist. The purpose of this affiliation is to allow the student to participate in the full spectrum of clinical and administrative functions of the physical therapist. The learner is expected to actively participate, with supervision, in the entire patient management process, demonstrating critical-thinking skills and effective communication skills. Prerequisite(s): PT 600.

Graduate Programs in the College of Health & Education

The Health Programs
- M.S. Nursing
  - Family and Community Nurse Practitioner (FNP Certification)
  - Family Psychiatric Mental Health Nurse Practitioner (FPMHNP Certification)
- Post Masters Certificate Nursing
  - Family and Community Nurse Practitioner (FNP Certification)
  - Family Psychiatric Mental Health Nurse Practitioner (FPMHNP Certification)
- M.S. Occupational Therapy
- Doctor in Physical Therapy

The Education Programs
- Master of Education
- M.S. Clinical Mental Health Counseling
- M.S. Human Relations
- M.S. School Counseling

Graduate Counseling and Human Relations

The Graduate Counseling and Human Relations Program offers three master’s degrees: Clinical Mental Health Counseling, Human Relations, and School Counseling. The programs are designed to enhance the professional skills and development of students who may choose to achieve licensure or certification, or who want to attain additional knowledge in the area of counseling and human relations. While the following provides general guidelines as to academic standards and policies, students should reference specific information described under the specific programs.

Admission Requirements Include
- Completed graduate application and fees including transcripts, resume, and an essay detailing reasons for choosing a counseling and human relations program.
- Three Letters of Recommendation from professionals in a position to judge the applicant’s preparation for, and ability to undertake graduate study. At least one academic reference is required.
- Baccalaureate or advanced degree with minimum 3.0 GPA. If applicants have not earned at least a 3.0 GPA on a 4.0 scale in
their undergraduate programs, they must submit a minimum score of 402 on the Miller Analogies Test or a minimum of 300 (V+Q) on the General Test of the Graduate Record Examination prior to the interview. Scores below the above criteria may be considered individually.

- Individual and group Interviews required.

**Status**

An applicant’s admission status is one of the following:

**Regular.** Students whose applications are complete and who are accepted by the Graduate Admissions Committee without condition are admitted as regular graduate students.

**Conditional.** In reviewing a candidate’s application, the Graduate Admissions Committee may recommend that a student be accepted on a conditional basis. The letter of acceptance will contain the conditions that must be met before the student can be reclassified for regular status.

**Academic Standards**

**Grades:** Students must maintain a “B” average (3.0) in order to continue in a graduate program. Required core and skills courses and field experiences require a B to pass. A maximum of six credits of other course work in the “C” range can be applied toward the master’s degree. A student whose average falls below 3.0 or who earns a grade lower than a “C” or who earns more than two grades of C or C+ will be reviewed by the Graduate Academic Program Committee, which may dismiss the student or determine the conditions under which the student may continue in the program. A student who has not attained a grade point average of 3.0 or better at the end of his or her program of study will not graduate.

**Transfer Credit**

Nine credits of appropriate graduate-level course work, earned within five years of entry into the Husson program, may be transferred from an accredited institution, if the grades earned in such course work are “B” or better. Credits must comply with program accreditation standards as determined by program faculty. Special circumstances will be dealt with on an individual basis.

**Courses**

**CO 700. Orientation to the Professions of Counseling and Human Relat. 3 Hours.**

This course is designed to provide an orientation to, and overview of, the counseling and human relations professions including a history of the counseling profession, standards, credentialing, professional role and identity development. Prerequisite(s): Major=MS Clinical Mental Health Counseling or Major=MS Human Relations or Major=MS Pastoral Counseling or Major=MS School Counseling.

**CO 702. Human Growth and Development. 3 Hours.**

This course includes a survey of the physiological, social and psychological factors that influence the development of personality. Students will learn about what makes people distinctly different as they critically evaluate the various theories of personality development.

**CO 703. Research and Program Evaluation. 3 Hours.**

Students learn to conceptualize research problems and develop hypotheses. Emphasis is on defining and measuring the important variables; design of research strategies; analysis of data; interpretation and inference; and writing and implementing a research proposal.

**CO 704. Social and Cultural Diversity. 3 Hours.**

This course is designed to promote understanding of social and cultural diversity through study of such issues as ethnicity, gender, race, socioeconomic status, religion/spirituality, sexual orientation, ability/disability, family structure and geographic location. Students will examine how their cultural identity impacts their beliefs, values and actions, and learn the skills for competent ethical practices with diverse populations. Prerequisite(s): CO 700 or PY 700.

**CO 705. Theories of Counseling. 3 Hours.**

This course provides an intensive look at selected theories of counseling and psychotherapy. The major concepts of each theory are reviewed and critiqued in light of current research and theory. Students are encouraged to begin to define their own theoretical approach.

**CO 710. Counseling Techniques. 3 Hours.**

This course is designed to help students acquire and develop skills essential to the helping process. Core elements include: the nature of the helping relationship, introduction to basic counseling skills, and an exploration of the attitudes and beliefs involved in developing and maintaining helping relationships and how these fundamental core elements apply to counselors. Emphasis will also be placed on practitioner self-awareness and self-care. Role-playing videotape experiences and other skill development exercises will be included. Prerequisite(s): Major=MS Clinical Mental Health Counseling or Major=MS Human Relations or Major=MS Pastoral Counseling or Major=MS School Counseling.

**CO 711. Legal, Ethical and Professional Issues in Counseling. 3 Hours.**

This course provides a legal and ethical framework for the counseling profession as well as a focus on standards and credentialing and current professional issues relevant to the work of counselors. Prerequisite(s): (CO 700 or PY 700) and (CO 702 or PY 702) and (CO 703 or PY 703) and (CO 704 or PY 704) and (CO 705 or PY 705) and (CO 710 or PY 710).

**CO 712. Group Process. 3 Hours.**

This course enables students to understand the types of groups, their purpose, development and dynamics, counseling theories, and group counseling methods and skills. Ethical and legal considerations of group counseling are also explored. Students are required to participate in small groups for educational and self-assessment purposes. Prerequisite(s): CO 710.

**CO 715. Advanced Counseling Techniques. 3 Hours.**

This course provides advanced training in the art and technique of counseling, including, but not limited to, solution-focused techniques, motivational interviewing strategies, transference and counter-transference issues, rewards and “hazards” of the profession, counselor self-awareness, and use of the self as a tool in the counseling process. Prerequisite(s): CO 700 and CO 705 and CO 710.

**CO 716. Adventure Therapy in Counseling. 3 Hours.**

This is an introductory course in Adventure Therapy primarily for graduate students in the Counseling programs. The purpose of the course is to introduce students to adventure therapy programs that deal with people with psychological disorders. Students will learn the characteristics of selected disorders and will examine therapeutic adventure strategies that have been designed to work with specific identified populations including children, adolescents, and adults. A section dealing with professional ethics will also be included. Didactic as well as experiential pedagogy will require comfortable clothing and a limited amount of outside the classroom activities.
CO 721. Assessment in Counseling. 3 Hours.
This course explores the use of measurement and results in the counseling professions. It offers an understanding of group and individual educational and psychometric theories, statistics and approaches to measurement, as well as techniques for gathering data and information. Concepts of validity, reliability and factors that influence measurement are covered.

CO 722. Career Development and Counseling. 3 Hours.
This course provides students an understanding of career development and related life factors. Students study career development theory and decision-making models, procedures for planning and conducting effective job searches, assessment instruments and techniques relevant to career planning and decision-making and the use of career information. Emphasis is placed on understanding the inter-relationships between career development and career decision-making, family, socio-economic status, leisure, individual interests, and abilities.

CO 723. Practices in Counseling Young Children and Adolescents. 3 Hours.
Students will explore the implications of child development for counseling interventions. Participants will review counseling theory and explore developmentally appropriate counseling techniques. The course will also address the physical, emotional and social development of children and adolescents and examine the relationship between development and counseling needs. Emphasis will be given to working with parents and other family members. Prerequisite(s): CO 700 and CO 703 and CO 705 and CO 710.

CO 799. Topic/. 1 Hour.
Selected topics are offered centering on the needs and interests of the students and the availability of expert faculty. Enhancing student knowledge and building on past learning in a challenging scientific environment is one of the course's objectives. Exploring innovation and the edge of knowledge is another endeavor of this course.

CO 801. Marriage and Family Counseling. 3 Hours.
The dynamics of marriage and family relationships are examined. The emphasis is on understanding the structure and function of marriage, the various aspects of the marital relationship, family systems, and ways the counselor may approach marriage and family counseling as a creative, preventative and healing interaction.

CO 805. Addictions Counseling: Treatment and Contemporary Issues. 3 Hours.
Provides an introduction to the theoretical knowledge and clinical skills necessary to provide addictions counseling services in both school and mental health settings. Emphasis is on diagnosis and evidence-based treatment for addictions, problem gambling, and co-occurring disorders. The impact of "stigma" as well as the history and contributions of the recovery movement are explored. Consideration is given to current trends, cultural context and primary prevention resources. Ethical and legal considerations in practice are addressed. Prerequisite(s): CO 700 and CO 710 and CO 705.

CO 810. Human Sexuality. 3 Hours.
An analysis of the anatomical, psychological, and cultural aspects of a wide range of topics in the area of human sexuality is undertaken. Emphasis is on the development of an understanding and appreciation of the role of sexuality throughout the various stages of life. Prerequisite(s): CO 705 and CO 710.

CO 825. Psychopharmacology and Counseling. 3 Hours.
This course is designed to teach the prospective counselor about the history and development of psychopharmacologic agents, the biochemical nature of the central nervous system and its relationship to psychopharmacology. The legitimate use of medications and their importance for treatment are also examined.

CO 826. Cognitive Behavior Therapy. 3 Hours.
This is a survey of the theory and practice of cognitive behavior therapy. Behavioral assessment and treatment of a variety of common clinical problems is studied. Emphasis is placed on more recent cognitive behavior therapy approaches.

CO 827. Crisis Intervention. 3 Hours.
This course provides an understanding of the theory and practice of crisis intervention, short-term crisis, counseling intervention strategies and the social context of therapy in crisis intervention. Prerequisite(s): CO 710.

CO 846. Clinical Diagnosis and Treatment Planning with Adults. 3 Hours.
This course provides a general framework for understanding psychopathology in the adult population and the process of diagnosing and designing treatment plans for mental disorders in adults. Prerequisite(s): CO 700 and CO 702 and CO 703 and CO 704 and CO 705 and CO 710.

CO 867. Clinical Diag and Treatment Plan with Children and Adolescents. 3 Hours.
This course provides a general framework for understanding psychopathology in the child and adolescent population. It also helps students better understand the process of diagnosing and designing treatment plans for mental disorders in children and adolescents. Prerequisite(s): CO 846.

CO 868. Capstone Course. 3 Hours.
Students in the MS in Human Relations program will complete a supervised experience in their area of interest, thesis, or special project that has been pre-approved by the department during the final semester of study.

CO 890. Practicum. 6 Hours.
This course provides practical clinical instruction and experience in counseling for the purpose of developing individual and group counseling skills. These experiences are similar to what a professional counselor would be expected to perform and enhance the internship experience.

CO 891. Counseling Internship I. 3 Hours.
This course allows students to apply their theoretical knowledge and practical counseling skills in an actual practice setting under professional supervision. Clinical mental health counseling students will complete required hours in a clinical setting. School counseling students will complete required hours in a school setting. Prerequisite(s): ED 750 or CO 890.

CO 892. Counseling Internship II. 3 Hours.
This course provides for the application of theory and the development of counseling skills through professional practice under supervision in an approved setting. Clinical mental health counseling students will complete required hours in a clinical setting. School counseling students will complete required hours in a school setting. Prerequisite(s): CO 891.

CO 893. Counseling Internship III. 3 Hours.
This course provides for the application of theory and the development of counseling skills through professional practice under supervision in an approved setting. Clinical Mental Health Counseling students will complete required hours in a clinical setting. School Counseling students will complete required hours in a school setting. Prerequisite(s): CO 891 and CO 892.
# M.S. Clinical Mental Health Counseling

This CACREP accredited program consists of a minimum of 63 hours of counseling courses that provide students with a thorough background in the areas of individual and group counseling theories and skills; clinical practice; ethical, professional and legal issues in counseling; social and cultural factors in counseling; human development across the lifespan; work, leisure and career development theories and interventions; assessment in counseling, and the application of research. This program prepares students for licensing and national certification, as well as careers in mental health agencies, hospital programs private practices, counseling centers and other private and public mental health facilities.

## Comprehensive Examination

Students enrolled in the program must complete a comprehensive examination prior to entering internship.

## Graduation Requirements

Students enrolled in the program must:

- Have been admitted to degree candidacy.
- Have passed the comprehensive examination.
- Have completed the required course of study with a cumulative grade point average of 3.00 or better. Coursework with a recorded grade below “C” will not count towards the degree.

## Course requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
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</tr>
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<td>CO 704</td>
<td>Social and Cultural Diversity</td>
<td>3</td>
</tr>
<tr>
<td>CO 705</td>
<td>Theories of Counseling</td>
<td>3</td>
</tr>
<tr>
<td>CO 710</td>
<td>Counseling Techniques</td>
<td>3</td>
</tr>
<tr>
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<td>Legal, Ethical and Professional Issues in Counseling</td>
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</tr>
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<td>CO 801</td>
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</tr>
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</tr>
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<td>CO 846</td>
<td>Clinical Diagnosis and Treatment Planning with Adults</td>
<td>3</td>
</tr>
<tr>
<td>CO 867</td>
<td>Clinical Diag and Treatment Plan with Children and Adolescen</td>
<td>3</td>
</tr>
<tr>
<td>CO 890</td>
<td>Practicum</td>
<td>6</td>
</tr>
<tr>
<td>CO 891</td>
<td>Counseling Internship I</td>
<td>3</td>
</tr>
<tr>
<td>CO 892</td>
<td>Counseling Internship II</td>
<td>3</td>
</tr>
<tr>
<td>CO 893</td>
<td>Counseling Internship III</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>63</strong></td>
</tr>
</tbody>
</table>

## Courses

**CO 700. Orientation to the Professions of Counseling and Human Relat. 3 Hours.**

This course is designed to provide an orientation to, and overview of, the counseling and human relations professions including a history of the counseling profession, standards, credentialing, professional role and identity development. Prerequisite(s): Major=MS Clinical Mental Health Counseling or Major=MS Human Relations or Major=MS Pastoral Counseling or Major=MS School Counseling.

**CO 702. Human Growth and Development. 3 Hours.**

This course includes a survey of the physiological, social and psychological factors that influence the development of personality. Students will learn about what makes people distinctively different as they critically evaluate the various theories of personality development.

**CO 703. Research and Program Evaluation. 3 Hours.**

Students learn to conceptualize research problems and develop hypotheses. Emphasis is on defining and measuring the important variables; design of research strategies; analysis of data; interpretation and inference; and writing and implementing a research proposal.

**CO 704. Social and Cultural Diversity. 3 Hours.**

This course is designed to promote understanding of social and cultural diversity through study of such issues as ethnicity, gender, race, socioeconomic status, religion/spirituality, sexual orientation, ability/disability, family structure and geographic location. Students will examine how their cultural identity impacts their beliefs, values and actions, and learn the skills for competent ethical practices with diverse populations. Prerequisite(s): CO 700 or PY 700.

**CO 705. Theories of Counseling. 3 Hours.**

This course provides an intensive look at selected theories of counseling and psychotherapy. The major concepts of each theory are reviewed and critiqued in light of current research and theory. Students are encouraged to begin to define their own theoretical approach.

**CO 710. Counseling Techniques. 3 Hours.**

This course is designed to help students acquire and develop skills essential to the helping process. Core elements include: the nature of the helping relationship, introduction to basic counseling skills, and an exploration of the attitudes and beliefs involved in developing and maintaining helping relationships and how these fundamental core elements apply to counselors. Emphasis will also be placed on practitioner self-awareness and self-care. Role-playing videotape experiences and other skill development exercises will be included. Prerequisite(s): Major=MS Clinical Mental Health Counseling or Major=MS Human Relations or Major=MS Pastoral Counseling or Major=MS School Counseling.

**CO 711. Legal, Ethical and Professional Issues in Counseling. 3 Hours.**

This course provides a legal and ethical framework for the counseling profession as well as a focus on standards and credentialing and current professional issues relevant to the work of counselors. Prerequisite(s): (CO 700 or PY 700) and (CO 702 or PY 702) and (CO 703 or PY 703) and (CO 704 or PY 704) and (CO 705 or PY 705) and (CO 710 or PY 710).

**CO 712. Group Process. 3 Hours.**

This course enables students to understand the types of groups, their purpose, development and dynamics, counseling theories, and group counseling methods and skills. Ethical and legal considerations of group counseling are also explored. Students are required to participate in small groups for educational and self-assessment purposes. Prerequisite(s): CO 710.
CO 715. Advanced Counseling Techniques. 3 Hours.
This course provides advanced training in the art and technique of counseling, including, but not limited to, solution-focused techniques, motivational interviewing strategies, transference and counter-transference issues, rewards and “hazards” of the profession, counselor self-awareness, and use of the self as a tool in the counseling process. Prerequisite(s): CO 700 and CO 705 and CO 710.

CO 716. Adventure Therapy in Counseling. 3 Hours.
This is an introductory course in Adventure Therapy primarily for graduate students in the Counseling programs. The purpose of the course is to introduce students to adventure therapy programs that deal with people with psychological disorders. Students will learn the characteristics of selected disorders and will examine therapeutic adventure strategies that have been designed to work with specific identified populations including children, adolescents, and adults. A section dealing with professional ethics will also be included. Didactic as well as experiential pedagogy will require comfortable clothing and a limited amount of outside the classroom activities.

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This course explores the use of measurement and results in the counseling professions. It offers an understanding of group and individual educational and psychometric theories, statistics and approaches to measurement, as well as techniques for gathering data and information. Concepts of validity, reliability and factors that influence measurement are covered.

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An analysis of the anatomical, psychological, and cultural aspects of a wide range of topics in the area of human sexuality is undertaken. Emphasis is on the development of an understanding and appreciation of the role of sexuality throughout the various stages of life. Prerequisite(s): CO 705 and CO 710.

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CO 893. Counseling Internship III. 3 Hours.
This course provides for the application of theory and the development of counseling skills through professional practice under supervision in an approved setting. Clinical Mental Health Counseling students will complete required hours in a clinical setting. School Counseling students will complete required hours in a school setting. Prerequisite(s): CO 891 and CO 892.

M.S. Human Relations
This program consists of a minimum of 39 hours of graduate level coursework, including 24 hours in counseling and human development as well as 15 credit hours of targeted electives for individuals such as teachers, ministers, human resource directors, nurses, law enforcement officers, managers, student affairs personnel in college or university settings, and others who regularly apply psychological insights into their work settings. Electives are typically from such graduate level academic disciplines as business, communications, education, and varied human services fields. Students enrolled in the Human Relations program may apply to transfer to other Counseling programs.

Program Requirements

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</tr>
<tr>
<td>Electives</td>
<td>15 pre-approved graduate-level credit hours</td>
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CO 868. Capstone Course. 3 Hours.
Students in the MS in Human Relations program will complete a supervised experience in their area of interest, thesis, or special project that has been pre-approved by the department during the final semester of study.

CO 890. Practicum. 6 Hours.
This course provides practical clinical instruction and experience in counseling for the purpose of developing individual and group counseling skills. These experiences are similar to what a professional counselor would be expected to perform and enhance the internship experience.
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CO 700  Orientation to the Professions of Counseling and Human Relat  3
CO 702  Human Growth and Development  3
CO 703  Research and Program Evaluation  3
CO 704  Social and Cultural Diversity  3
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CO 710  Counseling Techniques  3
CO 711  Legal, Ethical and Professional Issues in Counseling  3
CO 712  Group Process  3
CO 721  Assessment in Counseling  3
CO 722  Career Development and Counseling  3
CO 723  Practices in Counseling Young Children and Adolescents  3
CO 805  Addictions Counseling: Treatment and Contempory Issues  3
CO 827  Crisis Intervention  3
CO 890  Practicum  6
CO 891  Counseling Internship I  3
CO 892  Counseling Internship II  3

ED 701  Introduction to School Guidance Counseling  3
ED 705  The Changing Role of the School Counselor  3
Elective  3

Total Hours  60

Note: In order to receive certification as a school counselor in the State of Maine, students must take an approved course for Teaching Exceptional Students in the Classroom at either the graduate or undergraduate level. At Husson, the course is ED 321 Educating Exceptional Students.

CO 891. Counseling Internship I. 3 Hours.
This course allows students to apply their theoretical knowledge and practical counseling skills in an actual practice setting under professional supervision. Clinical mental health counseling students will complete required hours in a clinical setting. School counseling students will complete required hours in a school setting. Prerequisite(s): ED 750 or CO 890.

CO 892. Counseling Internship II. 3 Hours.
This course provides for the application of theory and the development of counseling skills through professional practice under supervision in an approved setting. Clinical mental health counseling students will complete required hours in a clinical setting. School counseling students will complete required hours in a school setting. Prerequisite(s): CO 891.

CO 893. Counseling Internship III. 3 Hours.
This course provides for the application of theory and the development of counseling skills through professional practice under supervision in an approved setting. Clinical Mental Health Counseling students will complete required hours in a clinical setting. School Counseling students will complete required hours in a school setting. Prerequisite(s): CO 891 and CO 892.

M.S. School Counseling

The CACREP accredited School Counseling program is designed to prepare entry-level school counselors. The 60-hour program is comprised of coursework, a semester-long practicum and a two-semester internship of a at least 600 hours. Participants are prepared to apply for certification as a School Counselor (school guidance counselor). Working closely with faculty, students will develop a comprehensive understanding of current issues and theories in school counseling and the role of the school guidance program across the domains of academic, career, and personal/social development. The student will acquire individual and group counseling and classroom facilitation skills, as well as consultation and collaboration skills. The practicum and internship experiences will allow students to apply their understanding of the theory and research in highly supervised K-12 educational settings.

Courses

CO 700. Orientation to the Professions of Counseling and Human Relat. 3 Hours.
This course is designed to provide an orientation to, and overview of, the counseling and human relations professions including a history of the counseling profession, standards, credentialing, professional role and identity development. Prerequisite(s): Major=MS Clinical Mental Health Counseling or Major=MS Human Relations or Major=MS Pastoral Counseling or Major=MS School Counseling.

CO 702. Human Growth and Development. 3 Hours.
This course includes a survey of the physiological, social and psychological factors that influence the development of personality. Students will learn about what makes people distinctively different as they critically evaluate the various theories of personality development.

CO 703. Research and Program Evaluation. 3 Hours.
Students learn to conceptualize research problems and develop hypotheses. Emphasis is on defining and measuring the important variables; design of research strategies; analysis of data; interpretation and inference; and writing and implementing a research proposal.

CO 704. Social and Cultural Diversity. 3 Hours.
This course is designed to promote understanding of social and cultural diversity through study of such issues as ethnicity, gender, race, socioeconomic status, religion/spirituality, sexual orientation, ability/disability, family structure and geographic location. Students will examine how their cultural identity impacts their beliefs, values and actions, and learn the skills for competent ethical practices with diverse populations. Prerequisite(s): CO 700 or PY 700.

CO 705. Theories of Counseling. 3 Hours.
This course provides an intensive look at selected theories of counseling and psychotherapy. The major concepts of each theory are reviewed and critiqued in light of current research and theory. Students are encouraged to begin to define their own theoretical approach.

CO 710. Counseling Techniques. 3 Hours.
This course is designed to help students acquire and develop skills essential to the helping process. Core elements include: the nature of the helping relationship, introduction to basic counseling skills, and an exploration of the attitudes and beliefs involved in developing and maintaining helping relationships and how these fundamental core elements apply to counselors. Emphasis will also be placed on practitioner self-awareness and self-care. Role-playing videotape experiences and other skill development exercises will be included. Prerequisite(s): Major=MS Clinical Mental Health Counseling or Major=MS Human Relations or Major=MS Pastoral Counseling or Major=MS School Counseling.
CO 711. Legal, Ethical and Professional Issues in Counseling. 3 Hours.
This course provides a legal and ethical framework for the counseling profession as well as a focus on standards and credentialing and current professional issues relevant to the work of counselors. Prerequisite(s): (CO 700 or PY 700) and (CO 702 or PY 702) and (CO 703 or PY 703) and (CO 704 or PY 704) and (CO 705 or PY 705) and (CO 710 or PY 710).

CO 712. Group Process. 3 Hours.
This course enables students to understand the types of groups, their purpose, development and dynamics, counseling theories, and group counseling methods and skills. Ethical and legal considerations of group counseling are also explored. Students are required to participate in small groups for educational and self-assessment purposes. Prerequisite(s): CO 710.

CO 715. Advanced Counseling Techniques. 3 Hours.
This course provides advanced training in the art and technique of counseling, including, but not limited to, solution-focused techniques, motivational interviewing strategies, transference and countertransference issues, rewards and "hazards" of the profession, counselor self-awareness, and use of the self as a tool in the counseling process. Prerequisite(s): CO 700 and CO 705 and CO 710.

CO 716. Adventure Therapy in Counseling. 3 Hours.
This is an introductory course in Adventure Therapy primarily for graduate students in the Counseling programs. The purpose of the course is to introduce students to adventure therapy programs that deal with people with psychological disorders. Students will learn the characteristics of selected disorders and will examine therapeutic adventure strategies that have been designed to work with specific identified populations including children, adolescents, and adults. A section dealing with professional ethics will also be included. Didactic as well as experiential pedagogy will require comfortable clothing and a limited amount of outside the classroom activities.

CO 721. Assessment in Counseling. 3 Hours.
This course explores the use of measurement and results in the counseling professions. It offers an understanding of group and individual educational and psychometric theories, statistics and approaches to measurement, as well as techniques for gathering data and information. Concepts of validity, reliability and factors that influence measurement are covered.

CO 722. Career Development and Counseling. 3 Hours.
This course provides students an understanding of career development and related life factors. Students study career development theory and decision-making models, procedures for planning and conducting effective job searches, assessment instruments and techniques relevant to career planning and decision-making and the use of career information. Emphasis is placed on understanding the interrelationships between career development and career decision-making, family, socioeconomic status, leisure, individual interests, and abilities.

CO 723. Practices in Counseling Young Children and Adolescents. 3 Hours.
Students will explore the implications of child development for counseling interventions. Participants will review counseling theory and explore developmentally appropriate counseling techniques. The course will also address the physical, emotional and social development of children and adolescents and examine the relationship between development and counseling needs. Emphasis will be given to working with parents and other family members. Prerequisite(s): CO 700 and CO 703 and CO 705 and CO 710.

CO 799. Topic/. 1 Hour.
Selected topics are offered centering on the needs and interests of the students and the availability of expert faculty. Enhancing student knowledge and building on past learning in a challenging scientific environment is one of the course's objectives. Exploring innovation and the edge of knowledge is another endeavor of this course.

CO 801. Marriage and Family Counseling. 3 Hours.
The dynamics of marriage and family relationships are examined. The emphasis is on understanding the structure and function of marriage, the various aspects of the marital relationship, family systems, and ways the counselor may approach marriage and family counseling as a creative, preventative and healing interaction.

CO 805. Addictions Counseling: Treatment and Contemporary Issues. 3 Hours.
Provides an introduction to the theoretical knowledge and clinical skills necessary to provide addictions counseling services in both school and mental health settings. Emphasis is on diagnosis and evidence-based treatment for addictions, problem gambling, and co-occuring disorders. The impact of "stigma" as well as the history and contributions of the recovery movement are explored. Consideration is given to current trends, cultural context and primary prevention resources. Ethical and legal considerations in practice are addressed. Prerequisite(s): CO 700 and CO 710 and CO 705.

CO 810. Human Sexuality. 3 Hours.
An analysis of the anatomical, psychological, and cultural aspects of a wide range of topics in the area of human sexuality is undertaken. Emphasis is on the development of an understanding and appreciation of the role of sexuality throughout the various stages of life. Prerequisite(s): CO 705 and CO 710.

CO 825. Psychopharmacology and Counseling. 3 Hours.
This course is designed to teach the prospective counselor about the history and development of psychopharmacologic agents, the biochemical nature of the central nervous system and its relationship to psychopharmacology. The legitimate use of medications and their importance for treatment are also examined.

CO 826. Cognitive Behavior Therapy. 3 Hours.
This is a survey of the theory and practice of cognitive behavior therapy. Behavioral assessment and treatment of a variety of common clinical problems is studied. Emphasis is placed on more recent cognitive behavior therapy approaches.

CO 827. Crisis Intervention. 3 Hours.
This course provides an understanding of the theory and practice of crisis intervention, short-term crisis, counseling intervention strategies and the social context of therapy in crisis intervention. Prerequisite(s): CO 710.

CO 846. Clinical Diagnosis and Treatment Planning with Adults. 3 Hours.
This course provides a general framework for understanding psychopathology in the adult population and the process of diagnosing and designing treatment plans for mental disorders in adults. Prerequisite(s): CO 700 and CO 702 and CO 703 and CO 704 and CO 705 and CO 710.

CO 867. Clinical Diag and Treatment Plan with Children and Adolescents. 3 Hours.
This course provides a general framework for understanding psychopathology in the child and adolescent population. It also helps students better understand the process of diagnosing and designing treatment plans for mental disorders in children and adolescents. Prerequisite(s): CO 846.
CO 868. Capstone Course. 3 Hours.  
Students in the MS in Human Relations program will complete a supervised experience in their area of interest, thesis, or special project that has been pre-approved by the department during the final semester of study.

CO 890. Practicum. 6 Hours.  
This course provides practical clinical instruction and experience in counseling for the purpose of developing individual and group counseling skills. These experiences are similar to what a professional counselor would be expected to perform and enhance the internship experience.

CO 891. Counseling Internship I. 3 Hours.  
This course allows students to apply their theoretical knowledge and practical counseling skills in an actual practice setting under professional supervision. Clinical mental health counseling students will complete required hours in a clinical setting. School counseling students will complete required hours in a school setting. Prerequisite(s): CO 890.

CO 892. Counseling Internship II. 3 Hours.  
This course provides for the application of theory and the development of counseling skills through professional practice under supervision in an approved setting. Clinical mental health counseling students will complete required hours in a clinical setting. School counseling students will complete required hours in a school setting. Prerequisite(s): CO 891.

CO 893. Counseling Internship III. 3 Hours.  
This course provides for the application of theory and the development of counseling skills through professional practice under supervision in an approved setting. Clinical Mental Health Counseling students will complete required hours in a clinical setting. School Counseling students will complete required hours in a school setting. Prerequisite(s): CO 891 and CO 892.

Graduate Programs in Education

MASTER OF EDUCATION

Overview:

The Master of Education (M.Ed.) degree is designed for PK – 16 educators who desire to enhance their current knowledge and skills while earning a graduate degree. The unique focus of this program is the development of successful academic, social, and behavioral approaches using an inquiry-based approach. Throughout the required coursework, students will strengthen their understanding of effective instructional techniques and current research regarding best practice in the field of teaching.

There are two delivery modes available for the M.Ed. Program. One mode is 7 – week online sessions on a continuous basis. The courses will be offered through the Canvas system. The other delivery mode is a 15 week hybrid model with the opportunity for three face to face sessions per semester. This latter model is delivered in cohort fashion with a group of students moving together through the program. Applicants will designate the desired delivery mode in their application for admission.

Core Program Goals:

- Support integration of content, pedagogy, research, and theory to build on experience and address individual areas of interest and need, while being responsive to the social, behavioral, and academic needs of students;
- Develop knowledge, abilities, and dispositions with regard to teaching techniques, curriculum design, assessment practices, and student social, behavioral, and academic learning needs as a basis for informed decision-making in the classroom; and
- Enhance abilities to engage in self-reflection which yields purposeful opportunities for professional learning and improvement regarding what accomplished teachers should know and be able to do.
- Increase proficiency in the analysis and use of student data to improve instruction and programming.
- Enhance proficiency in the integration of technology in teaching, learning, and professional development; and
- Foster commitment to ethical behavior and social responsibility in decision-making.

Program Requirements:

The Master of Education program requires 33 credits of coursework. Assignments will be aligned to the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T). After 12 credits, students will be accepted as candidates if they meet all program requirements.

Candidates will also complete a Capstone Project. This will be a research project that will demonstrate proficiency as a researcher. The resulting project will be presented at the culmination of the program.

Master of Education

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ED 600</td>
<td>Research Methods in Business and Education</td>
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<tr>
<td>ED 601</td>
<td>Theoretical Foundations of Learning</td>
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<tr>
<td>ED 603</td>
<td>Advanced Curriculum and Instruction</td>
<td>3</td>
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<tr>
<td>ED 702</td>
<td>Advanced Assessment Practices</td>
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<td>ED 704</td>
<td>Social and Cultural Diversity</td>
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<td>ED 706</td>
<td>STEM in the Classroom</td>
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<td>ED 707</td>
<td>Literacy Across the Curriculum</td>
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<td>ED 708</td>
<td>Advanced Classroom Management</td>
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<tr>
<td>ED 809</td>
<td>Integrating Technology into Instruction</td>
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<td>ED 810</td>
<td>Contemporary Technology Leadership</td>
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<tr>
<td>ED 868</td>
<td>M.Ed. Capstone</td>
<td>3</td>
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</table>

Total Hours 33

Graduation Requirements:

M.Ed. degree candidates must fulfill the following academic requirements:

- Meet requirements for candidacy
- Complete required coursework according to the established timelines
- Fulfill research requirements
- Maintain a minimum GPA of 3.0 with no single grade below a C
CO Courses

CO 700. Orientation to the Professions of Counseling and Human Relat. 3 Hours.
This course is designed to provide an orientation to, and overview of, the counseling and human relations professions including a history of the counseling profession, standards, credentialing, professional role and identity development. Prerequisite(s): Major=MS Clinical Mental Health Counseling or Major=MS Human Relations or Major=MS Pastoral Counseling or Major=MS School Counseling.

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CO 868. Capstone Course. 3 Hours.
Students in the MS in Human Relations program will complete a supervised experience in their area of interest, thesis, or special project that has been pre-approved by the department during the final semester of study.

CO 890. Practicum. 6 Hours.
This course provides practical clinical instruction and experience in counseling for the purpose of developing individual and group counseling skills. These experiences are similar to what a professional counselor would be expected to perform and enhance the internship experience.

CO 891. Counseling Internship I. 3 Hours.
This course allows students to apply their theoretical knowledge and practical counseling skills in an actual practice setting under professional supervision. Clinical mental health counseling students will complete required hours in a clinical setting. School counseling students will complete required hours in a school setting. Prerequisite(s): ED 750 or CO 890.

CO 892. Counseling Internship II. 3 Hours.
This course provides for the application of theory and the development of counseling skills through professional practice under supervision in an approved setting. Clinical mental health counseling students will complete required hours in a clinical setting. School counseling students will complete required hours in a school setting. Prerequisite(s): CO 891.

CO 893. Counseling Internship III. 3 Hours.
This course provides for the application of theory and the development of counseling skills through professional practice under supervision in an approved setting. Clinical Mental Health Counseling students will complete required hours in a clinical setting. School Counseling students will complete required hours in a school setting. Prerequisite(s): CO 891 and CO 892.

ED Courses

ED 201. Phil Foundations of Education. 3 Hours.
An integral component for all education majors, this course is designed to provide a basic understanding of the rewarding, yet challenging, teaching profession. Students broadly explore an overview of the educational field and its philosophical, political, legal, and social foundations. Current issues impacting education in a changing society will be examined. Coursework is intended to stimulate thoughtful reflection as students use information to develop their own beliefs concerning educational issues. Education Students will complete their first 30 hour clinical (ED 203) as part of this course. Students in other majors are not required to complete the Clinical Experience.

ED 202. Methods of Teaching Outdoor and Adventure Education. 3 Hours.
The course is designed to expose students to a variety of outdoor experiences with an emphasis on student participation in the activities. Students will also explore ways to incorporate outdoor in a variety of educational settings. Mastery of certain skills and the methodology employed in presenting these skills will be central to the course. Examples of the types of activities that may be covered through the course include canoeing, hiking, mountain biking, orienteering, camping skills, outdoor games, and an introduction to winter sports.

ED 203. Clinical Experience. 0 Hours.
All Education students are required to complete one 30 clock-hour block of a non-credit clinical observation experience in K-12 schools. This experience is completed as part of ED 201 Philosophical Foundations of Education and is designed to allow students to better understand the profession by observing experienced teachers in classroom settings. Through this experience, future educators will gain an appreciation of what happens "behind the scenes" in schools and other professional settings. Prerequisite(s): ED 201.

ED 204. Classroom Management. 3 Hours.
This course is designed to explore classroom management practices in educational settings. The course is taken concurrently with an education practicum so students will be able to observe and implement the techniques of practicing teachers in the areas of behavior modification, social skills training, and classroom management structures.
ED 208. Skills Activities. 3 Hours.
This course explores the application of learning and performance of motor skills in a variety of activities. Dance, racquet sports, aquatics and track/field will be participatory and allow students to gain experiential opportunities with instruction, drill progression, strategies, equipment and facility preparation and reflection. Instructor and peer feedback will enhance this class, and allow tactical decision-making competencies.

ED 213. Curriculum and Evaluation in Health and Physical Education. 3 Hours.
This course introduces Health and Physical Education majors to curriculum design and policy. Students will explore how to create, design, organize and evaluate a K-12 Health or Physical Education curriculum. Students will also learn how such a curriculum would be implemented and be expected to relate how a curriculum map ensures that all appropriate Maine Learning Results and grade level competencies are included. This course addresses multiple outcomes relating to the curriculum found in InTASC.

ED 215. Teaching Elementary Health Education. 3 Hours.
This course covers the foundation for healthy habits and active lifestyles which are introduced and reinforced during the K-8 experience. Topics that build both self-esteem and character, along with experiential health and physical activities will be examined. The American Association for Health Education and the Maine Learning Results will be used in conjunction with curriculum guides as students design lessons and units in health education.

ED 222. Personal Health & Fitness. 3 Hours.
This course is designed to introduce the health and physical education student to a core of competences to employ at the K-12 teaching levels. Several health topics will be covered including personal fitness, mental health, stress management, nutrition and diet, tobacco, and cardiovascular disease, as well as a variety of fitness and healthy experiences with an emphasis on actual participation in the activities.

ED 223. PE/Health Practicum I. 1 Hour.
The Practicum courses are one credit offerings designed to provide field experience for students enrolled in the three ED methods courses associated with their major. They are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement, most often within a school, secured by the clinical placement supervisor. This course is taken by physical education majors concurrently with ED 446. Prerequisite(s): ED 203.

ED 231. Curriculum, Instruction, and Assessment. 3 Hours.
This course is designed for students in the elementary/secondary education K – 12 programs. It is a general methods course for assessment, curriculum design, development and methods of instruction. This course focuses on the “what to teach”, “how to teach”, and “planning the context for teaching and learning” with the goal of providing an integrated approach in instruction. Such an integrated approach involves interventions (accommodations and modifications) in the design of instruction to teach all learners. This course ensures that pre-service teachers gain a broad knowledge in the methods of instruction as well as supporting diversity in the classroom. The course presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Prerequisite(s): ED 201.

ED 240. History and Philosophy of Physical Education. 3 Hours.
This course is an introduction to the philosophical and historical principles of health and physical education. It will include an historical overview of these education disciplines and cover current day principles. This course also offers an opportunity for critical examination of both theory and practice in the professions of health and physical education, wellness, sport and fitness.

ED 243. Team Sports/Tech & Strategies. 3 Hours.
Formal physical education, recreational and camp settings include games and strategies. It is the strategies component that enhances participation. Understanding game strategy promotes application of techniques and skills. Games research has also shown that the more strategy participants understand, the greater the chance of participation and satisfaction (Mitchell, S.). Thus tactical problem solving and teaching strategies will be the points of emphasis within a variety of invasion, net/wall, target, and striking/fielding games. Students will have the opportunity to learn skills, drills, techniques and strategies, and practice planning and teaching sport lessons during class.

ED 302. Adapted and Developmentally-Appropriate Physical Education. 3 Hours.
Adapted and developmentally appropriate physical education programs are the art and science of developing, implementing, and monitoring carefully designed instructional programs to meet the unique needs of individuals. Teaching approaches are both task-specific and developmental in nature and the course is designed to enable teachers to successfully address a range of specific needs in the physical education setting. This course is based on authentic and comprehensive assessments to give participants skills necessary for a lifetime of leisure, recreation, and sport experiences to enhance physical fitness, participation and wellness. Prerequisite(s): ED 201 and ED 213 and (ED 232 or ED 447).

ED 307. Technology in Education. 3 Hours.
This course surveys the history and structure of the field of instructional technology, with an emphasis on integrating as an educational tool. Students will experience creative skills and confidence necessary to use mainstream and emerging hardware and software available in most school settings. Prerequisite(s): ED 204 and ED 231.

ED 310. Educational Practicum I. 1 Hour.
ED 310 Education Practicum is the first classroom experience for university students considering the profession of teaching by spending time in an assigned classroom, students will shift their perspective from that of a student to that of a teacher. This experience is designed, in part, to provide students with the opportunity to interact with a mentor teacher and pupils in a classroom setting. The extent of involvement will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. This course is viewed as a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for participating students. Prerequisite(s): ED 203.

ED 314. Assessment Practices. 3 Hours.
Presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Students learn to construct and use paper-and-pencil, alternative, and standardized assessments; analyze objectives; use grading systems; and judge assessment quality.
ED 316. Methods in Science. 3 Hours.
Science education is presented with a constructivist approach. Students become familiar with curricular content, methodology, and instructional planning that stimulates scientific interest and concept formation. Resources for science education will be collected for future. With a constructivist approach in mind, techniques for assessing student inquiry processes are explored. Students also learn ways to use instructional and design technology to enhance lessons. Prerequisite(s): ED 204 and ED 231.

This course offers a hands-on, practical approach that introduces students to a variety of strategies they can directly implement upon entering a position as a 7-12 teacher of science. Concentrating on practical application rather than theoretical implications, students will refine and add to their repertoire of teaching strategies. We will begin by learning how differentiating activities, based on learning styles and ability, can enhance the learning of each student in a classroom. Students will be engaged in the direct completion of project-based learning in the form of laboratory experiences, lesson building, and cooperative tasks. Direct implementation of current science project-based pedagogy will be the emphasis. Students will apply their understanding of the new methods by creating a series of mini-lessons, typical lessons, and projects that are reflective of their understanding. Teaching science is not just about creating lesson plans and writing labs – it is also about engaging students, maintaining their interested in science and devise a number of ways to motivate them to complete their learning tasks and raise their aspirations. Many classes will begin with sample laboratory experiences and will then progress forward to introduce, explain, and model different methods for instruction, questioning, and assessment; all within the context of product-based inquiry. The course will seek to help pre-service teachers to develop an understanding and appreciation of science. This will hopefully make an impression upon students to acquire knowledge, attitudes, and skills essential to science literacy. Prerequisite(s): ED 231 and ED 204.

ED 318. Teaching Students With Special Needs. 3 Hours.
This course is designed to provide Career and Technical Education (CTE) teachers, educational technicians and teachers-in-training the necessary skills to develop learning environments where all special needs students can be successful. It is built upon the foundations of current legislation, appropriate curricula, assessment modifications and individualized instruction using successful teaching strategies to provide improved levels of success for students with special needs.

ED 319. Methods in Secondary English. 3 Hours.
In this course students learn how to teach reading and writing genres with secondary students. We explore strategies and processes in the English Language Arts while connecting it to literacy across the curriculum. We explore literacy and technology, accommodations and differentiated learning, assessment, selection of literature to serve purposes for reading and writing, issues in the secondary classroom, and models of instruction. We will inquire into certain questions, such as, What methods work best with adolescents? How does technology fit into the classroom? Why is reflection a big deal? How does the English teacher address reading and writing in the content areas? What does being an English teacher mean? You will be both a student in the course, participating in practices, and a teacher, designing and implementing learning sequences. The course objectives address the Common Core, InTASC, and ISTE NETs standards. Prerequisite(s): ED 204 and ED 231.

ED 320. Education Practicum II. 1 Hour.
Education Practica provide classroom experience for university students thinking of becoming teachers. By spending time in an assigned classroom students will shift their perspective from that of a student to that of a teacher. These experiences should be viewed as pre-student teaching opportunities and are designed, in part, to provide university students with the opportunity to interact with a mentor teacher and students in a classroom setting. The extent of involvement with the mentor teacher will depend on his or her needs, the organization of the classroom, and the stage of development of the practicum student. Practicum students have varied backgrounds and experiences. These strengths and experiences should be utilized to enrich the learning opportunities for the students in the classroom and the practicum student. This program is a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for university students seeking a career in teaching. Prerequisite(s): ED 203.

ED 321. Educating Exceptional Students. 3 Hours.
Practica provide classroom experience for university students seeking a career in education. The practicum courses are one credit courses designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours recorded should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 201 and ED 213 and ED 203.

ED 323. PE/Health Practicum II. 1 Hour.
The Practicum courses are one credit courses designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 201 and ED 203.
ED 324. Young Adult Literature. 3 Hours.
This course, organized by trends in young adult literature, offers participants an opportunity to learn more about the young adult novel and other genres, how to select appropriate, high-quality books, how to incorporate it into a traditional classic-based classroom, and how to make the reading of young adult novels relevant to students’ lives. Through reading, discussing, and writing about books in different genres, students explore issues and trends including appropriateness in the classroom, close reading strategies, issues of diverse audiences and subject matter, the young adult and the canon, and literary theory such as reader response. Participants select books of their interest, read class books, and make connections to readings from the professional literature. The course integrates the Common Core and InTASC standards for teachers. It will help teachers find practical ways to integrate quality young adult novels into their curriculum, integrating teaching of literature and content areas, and making literature more accessible for their students. Prerequisite(s): ED 201.

ED 325. Brain Gym. 3 Hours.
This course provides an introduction to educational kinesiology and an overview of Brain Gym movements. Students will also learn a multi-step implementation process for increasing concentration, participation and problem-solving in the classroom. The highly interactive course design encourages the integration of Brain Gym techniques throughout the learning process.

ED 328. Children’s Literature. 3 Hours.
This survey course provides an overview of children’s literature, its genres, authors, ideas for instruction and response, criteria of selection, children’s development, and the teacher as reader. Students will explore ways to bring children to diverse, contemporary children’s literature in the language arts and content areas while at the same time becoming more experienced, insightful, and informed readers of children’s literature. Prerequisite(s): ED 201.

ED 330. Substance Abuse and Prevention. 3 Hours.
Society faces abuse challenges as a result of domestic and global sources of addictive substances. This course offers an opportunity for critical examination of both theory and practice as students analyze available data on substances such as nicotine, caffeine, alcohol, over the counter drugs, prescriptive drugs and illegal drugs. Students also examine the role family, friends, education, the media and/or marketing may play in the decision-making process of individuals. Drug prevention programs and rehabilitative programs are reviewed with video input from professionals. Course content is drawn from videos, interviews, research, case analysis, projects and online discussion. These serve as reflective tools to build the student’s knowledge.

ED 332. Methods in Teaching Writing in the Schools. 3 Hours.
This course is based on the belief that teachers of writing at any grade level teach with greater understanding when they are active writers themselves and when their writing has a place and function in the world. Participants practice in instruction that draws on research on teaching writing, in assessment of writing, and in the teaching of the writing process approach, conducting conferences, modeling, and writing in the content areas with applications in the classroom. Adapting instruction to the development of writers is included. Participants focus on how they, as teachers, solve problems in writing so they support young writers develop their writing. Strategies of instruction are explored through focused lessons addressing Common Core standards and demonstrated during our sessions. Integration of practicum experience and application of course principles and strategies are expected. Prerequisite(s): ED 204 and ED 231.

ED 350. Teaching Elementary and Secondary Health Education. 3 Hours.
This course can help prepare elementary and secondary level health educators with information, classroom management techniques, instructional strategies and appropriate curriculum, as well as provide opportunities for teaching health lessons to peers with peer feedback. Prerequisite(s): ED 201 and ED 213.

ED 352. Emerging Trends In Career and Technical Education. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 380. Curriculum-based Instruction for the CTE Classroom and Shop. 3 Hours.
This course will focus on brain-based learning, strategies to develop student skills as readers, writers, and thinkers, Quadrant D lesson planning, gradual release of responsibility model, and questioning techniques.

ED 381. Introduction to Effective Classroom Management. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 382. Introduction to CTE Classroom Teaching. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 383. E-Portfolio for Teachers. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 389. Educational Psychology. 3 Hours.
The course examines the educational perspectives of K-12 students. Students in the course will incorporate the principles of educational psychology in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. Theories, principles, and issues investigated in this course are cognitive, linguistic, personal, social, emotional & moral development, and students with special needs. There will be an in depth study of how students learn in the areas of cognitive learning process, construction of knowledge, behavior views of learning, social cognitive learning and motivation. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. This is a third year course. Students will demonstrate their understanding by identifying the principles of educational psychology during visits to their assigned schools. Prerequisite(s): PY 111.
ED 404. Methods in Reading and Language Arts 4-8. 3 Hours.
This course explores research-based reading and language arts practices in teaching students in grades four through eight. The course introduces assessment, curriculum, and instructional strategies that can be adapted for intermediate (GR 4-5) and middle school (GR 6-8) students. The course focuses on current methods to teach and assess reading and language arts include vocabulary, inquiry into essential questions, and content specific reading and writing. With the idea that assessment drives instruction, students practice approaches to teaching reading strategies, language experience, and literature-based explicit reading instruction with a focus on socio-cultural influences. Participants practice the assessment and instruction in an interactive environment where teacher is reader. Students develop professional awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 408. Methods in Reading and Language Arts, PK - 3. 3 Hours.
The course introduces students to current, research-based methods in teaching reading and language arts to children in preschool through grade three. Topics include emergent literacy development, balanced literacy, spelling, oral language, writing, speaking, and listening. With the idea that assessment drives instruction, students will practice using and analyzing data from a variety of assessment tools to plan and deliver instruction in reading and the language arts. Students will also explore how language arts are a result of cultural and social experiences. Students will connect methods and theory of reading and ELA with knowledge of genres in children's literature with a focus in selection of books and integration in instruction. This course is interactive and gives students the opportunity to practice the methods they learn. Students will develop the skills to guide children's experiences and learning, and develop professional perspective and awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 409. Methods in Mathematics. 3 Hours.
This course introduces mathematic concepts and problem solving strategies along with real-world applications. Methods emphasize an active learning process in which children engage in guided discovery and problem solving opportunities. Teachers learn to coach youngsters to reflect on their process to clarify ideas for themselves and to share their thoughts with others. Models of engaged learning scenarios will be developed and discussed. Prerequisite(s): ED 204 and ED 231.

ED 410. Assessment in Health and Physical Education. 3 Hours.
The focus of this course will be on measurement and assessment of achievement. Multiple practice opportunities will be provided in designing and implementing measurement/evaluation methods and tests recognizing that the ultimate purpose is to enhance the decision-making process so improvement can be made (Baumgartner, 2007). Both the classroom and lab will be utilized to implement health and physical education tests and evaluation. Students gain skills using assessments within physical education and health education content. Tools for assessing the levels of competency are utilized at each elementary and secondary grade level. Teacher preparation students will apply these assessment tools to current programs.

ED 411. CTE Assessment I. 3 Hours.
This course will provide an introduction to the use of formative, summative and diagnostic assessments. Specific topics will include the appropriate use and design of certification tests as well as reading and math assessments.

ED 415. Methods in Social Studies. 3 Hours.
Methods in teaching Social Studies provides students with an overview of the field of Social Studies, selected issues in the field, and best practice strategies for teaching social studies in the K - 8 classroom. Students will identify important social studies knowledge, skills, and dispositions; investigate how students learn most effectively; and apply this new learning to lesson/unit design and instruction. Curriculum will be aligned to both national and state standards for both social studies and literacy. Prerequisite(s): ED 204 and ED 231.

ED 419. Mentoring Children and Youth. 3 Hours.
Through experience in this course, students will develop a mentoring relationship with either an elementary or middle school student. Mentoring can be an intense process where a positive, adult role model is matched with a youngster who needs assistance with academic efforts and social/behavior issues. This course will provide insight to many issues that surround a youngster's life. Issues and topics on poverty and education, cross-cultural competencies, tutoring skills, goal setting and violence in schools and society will be addressed.

ED 420. Physical Activity Programming in Youth Development. 3 Hours.
This class will provide a philosophical and practical base for working in youth development programs. This class will discuss the history of youth development programming, the current trends in youth development and the role of physical activity as a tool to better serve youth. This class will focus on programs that serve youth through physical activity, with special emphasis on goals of personal and social responsibility.

ED 421. Evaluating Youth Development Programs. 3 Hours.
Students will become aware of various models for evaluating youth development programs, and become familiar with the rationale and various assumptions for evaluating youth development programs. Students will also understand the various data sources for evaluating youth development programs, and be knowledgeable of the various ways to analyze, interpret, and disseminate data collected in the evaluation process.

ED 422. Educational Studies. 6 Hours.
ED 422 is the capstone experience for education students seeking future employment in a setting other than a traditional classroom. The 90-hour internship is spread over a minimum of twelve weeks and allows students to gain practical experience working with staff, learners, and other members of an agency or organization in a community setting (e.g. municipal recreations departments, public libraries, children’s museums, social service agencies, etc.) During this field experience, students learn about the organization or agency, study the implementation and evaluation of its programming, and design a related project to contribute to the site. The connected on-campus class will provide an opportunity for students to share their experiences and provide peer feedback.

ED 423. PE/Health Practicum III. 1 Hour.
One credit practicum courses are designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 203.
ED 430. Educational Practicum III. 1 Hour.
Education practica provide classroom experiences for future teachers. These experiences are designed, in part, to provide students with the opportunity to interact with a mentor teacher (MT) and pupils in the classroom setting. The extent of involvement with an MT will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. Strengths and experiences gained from practica should enrich the learning in the classroom. Prerequisite(s): ED 203.

ED 440. Disease Prevention & Health Promotion. 3 Hours.
In this course, core competencies regarding disease prevention and health promotion will be obtained, practiced and employed. Students will build upon personal health and wellness skills, and incorporate diverse perspectives in designing and implementing a Health Promotion program.

ED 441. Community Health. 3 Hours.
Community Health encompasses the topics of public health issues, policies and community health services across the lifespan. Students also study global health issues, community health issues and the impact of environment, geographic location and socio-economic status on human health, as well as public policies and health services. In this course, students will research and present a community health education and picture project.

ED 444. Individual Sports & Lifetime Activities. 3 Hours.
This course is designed to provide an informational and experiential overview of pursuits that may be classified as individual sports and lifetime activities. Attention will be paid to what place these activities may have in schools, recreational programs and other programs associated with youth development and learning. The role of lifetime fitness and health will be discussed and explored.

ED 445. Comprehensive School Health. 3 Hours.
This course will focus on the need for comprehensive school health education for students and society. Students will examine the role of the health educator as coordinator of the school health program. National Health Standards will guide the curricula as students learn about policies, procedures and activities designed to promote K-12 healthy living.

ED 446. Elementary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques during the concurrent practicum ED 323 PE/Health Practicum II. Prerequisite(s): ED 201 and ED 213.

ED 447. Secondary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques by conducting lessons during the attached practicum experience. Prerequisite(s): ED 201 and ED 213.

ED 450. Student Teaching/Seminar in Teaching. 15 Hours.
ED 450 is the culminating experience of the Husson Teacher Education Program and occurs after all other coursework and requirements have been completed. It has two required concurrent sections: a sixteen-week student teaching field placement and a weekly capstone seminar in teaching. This dual approach is designed to integrate pedagogy and professional practice to ensure that clear connections are made by student teachers as they strive to become effective educators. The InTASC Model Core Teaching Standards and the National Educational Technology Standards for Teachers NETS-T provide the framework for both the student teaching section and the seminar. ED 450 is viewed as a collaborative undertaking among students, instructors, and supervising teachers.

ED 499. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer advanced courses in education that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

ED 600. Research Methods in Business and Education. 3 Hours.
This course is designed for graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

ED 601. Theoretical Foundations of Learning. 3 Hours.
This is an advanced study of the application of the principles of educational theory and psychology in teaching students PK–12. Theories, principles, and issues investigated in this course include cognitive, linguistic, personal, social, emotional and moral development, the role of educational theory in practice, and students with special needs. Students in the course will incorporate the principles of educational psychology and an array of theoretical frameworks in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. The course includes an in-depth study in the areas of cognitive process, construction of knowledge, behaviorists’ views of learning, social cognition, and motivation. Students will conduct analyses of learning theories in light of this knowledge. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. Emphasis will be on the development of successful academic and social interventions using an inquiry-based approach. Students will demonstrate their understanding by identifying the principles of educational psychology and learning theory in their school setting.

ED 603. Advanced Curriculum and Instruction. 3 Hours.
This graduate level core course is designed to enhance student understanding of curriculum content, design, policy, and instructional strategies through the application of curriculum theory, assessment and technology. Students acquire skills in planning the context for learning utilizing authentic experiences for diverse populations and the promotion of successful academic and social interventions using an inquiry-based approach. Identification and implementation of research-based instructional strategies are examined. Curricula are analyzed using an integrated approach to instruction that promotes grade level competency. Students demonstrate curricula mapping in accordance with Maine standards.
ED 701. Introduction to School Guidance Counseling. 3 Hours.
This course will survey the philosophy, objectives, principles and program of comprehensive developmental school guidance programs at the K-12 level. The course will focus on National and State Models of School Counseling.

ED 702. Advanced Assessment Practices. 3 Hours.
In this advanced assessment course, students will develop an understanding of current trends, issues, and practices in assessment and apply their understanding to classroom, school, and district practices. This core course in the Master of Education program is conducted in seminar format. Students prepare for course meetings and participate in whole group discussions online and in person related to the readings, current practice, experience in assessment, and knowledge of trends and issues, making connections between the theory and classroom, and school-wide practices. Students will create and reflect upon online discussions to analyze the strengths and purposes of assessment instruments, analyze data, evaluate recommendations and interventions based on assessment findings and synthesize the information in communication appropriate to different stakeholders, colleagues, administrators, and families. Students will present practices, findings of research, analyses of assessments in multi-media presentations and develop an e-portfolio documenting the processes of the course, the self-evaluation, and the learning in the course.

ED 705. The Changing Role of the School Counselor. 3 Hours.
This course will review the historical and philosophical bases for school counseling programs, explore traditional roles for the school counselor, and examine the ethical and legal responsibilities of school guidance counselors. Focus will be given to recent applications of contemporary theories in educational settings as well as the role of the counselor in assisting all students in academic, career, and personal/social domains.

ED 706. STEM in the Classroom. 3 Hours.
This course provides the foundations of science, technology, engineering, and math (STEM) education disciplines based upon the Next Generation Science Standards (NGSS) and the Math and ELA Common Core Standards. The approach used will be a multi-disciplinary experiential learning method that will engage participants in scientific and mathematical practices that can be directly applied in the classroom to help learners make connections across curricula. Core topics include STEM pedagogy, the nature of STEM education disciplines, integrative STEM learning, and deepening knowledge within the STEM disciplines. Course objectives are grounded in the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 707. Literacy Across the Curriculum. 3 Hours.
This advanced course explores how literacy, broadly defined as reading, writing, talking, viewing, representing, and listening, can be a tool for thinking and learning in the content areas for all PK-12 students in different school environments of a diverse and globalized society. The course provides opportunity for participants to discuss and practice inquiry-based approaches that support learning and literacy development in the content areas, while integrating technology and instruction and connecting reading and writing. The course includes the genres and texts that teachers might use in the teaching of reading for different purposes. Professional and research literature are included. The workshop/seminar format of the course is interactive and includes lectures and demonstrations as students become more knowledgeable with respect to ethical decision-making, social responsibility, and reflective practice. Class participants will serve as resources, collaborators and teachers through in-class discussions, group work, and projects.

ED 708. Advanced Classroom Management. 3 Hours.
This course is designed to assist the classroom teacher in creating a climate that is safe and conducive to learning for all students in the inclusive classroom setting. Students will expand and apply their knowledge of theory and practical strategies for classroom management and student engagement. Through inquiry based study, learners will gain increased knowledge of effective strategies to implement when dealing with challenging student behaviors. Students will gain advanced skills with which to manage the inclusive classroom and be able to more effectively engage students and parents.

ED 799. Topics/. 1 Hour.
Selected topics are offered centering on the needs and interests of the students and the availability of expert faculty.

ED 809. Integrating Technology into Instruction. 3 Hours.
This course introduces students to a variety of technologies and computer applications that can enhance teaching, assessment, and the learning process. Class sessions and projects involve critically examining the theory and practice of using technologies to augment learning. Course objectives are grounded in the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 810. Contemporary Issues in Educational Leadership. 3 Hours.
This course provides an overview of formal and informal models of teacher leadership as well as the opportunity for in-depth analyses of relevant topics from the current and past centuries. Students explore emerging trends that address leadership opportunities for teachers and issues related to group dynamics, motivation, communication, ethics, and human relations. Course topics also include educator evaluation, the nationalization of standards and assessment, standards-based education, globalization, diversity, and technology. Skills and strategies for effective leadership are developed, especially those related to organizational change, ethical decision-making, and team building.

ED 868. M.Ed. Capstone. 3 Hours.
Students will complete a supervised experience, thesis, or special project in their area of interest that has been pre-approved by the department. Prerequisite(s): ED 601 and ED 603 and ED 702 and ED 706 and ED 707 and ED 708 and ED 809 and ED 810 and CO 704 and BA 600.

Graduate Programs in Nursing
Admission
Application for admission should be made to:
Graduate Admissions Office
Husson University
1 College Circle
Bangor, ME 04401

The successful Master of Science in Nursing applicant will have received a B.S.N with a minimum 3.0 GPA, show promise of ability and motivation to pursue graduate-level study, and have completed undergraduate health assessment and statistics courses. In addition, a minimum of one year professional clinical nursing practice is required with additional experience strongly recommended.

The Graduate Nursing Admissions Committee makes admission decisions based on the following factors:
- Previous college or university work
- Letters of recommendation
• A personal interview with the Graduate Nursing Admissions Committee.

A complete Master of Science in Nursing application includes:
• The Graduate Application
• Application fee
• Official transcripts of all previous college work
• Three letters of recommendation from professional colleagues (one must be from current nursing supervisor)
• Proof of RN licensure

A background check and immunization records are required and must be complete and uploaded to CertifiedBackground.com prior to course registration. Instructions for this process will be provided to the applicant upon acceptance in the Graduate Nursing Program.

Prospective students should contact the Graduate Admissions Office for information regarding application deadlines.

Status

An applicant’s admission status is one of the following:

**Regular.** Students whose applications are complete and who are accepted by the Graduate Nursing Admissions Committee without condition are admitted as regular graduate students.

**Conditional.** In reviewing a candidate’s application, the Graduate Nursing Admissions Committee may recommend that a student be admitted on a conditional basis. The letter of acceptance will contain the condition(s) which must be met before the student can be reclassified as regular status.

**Non-Degree.** This status is assigned to those students who are taking graduate courses without formally applying to the Graduate Nursing program. No more than 9 credit hours may be applied toward the Master’s degree. Admission in non-degree status requires the submission of official undergraduate transcript(s).

**Transfer Credit**

Normally, nine credits of appropriate graduate-level course work, earned within five years of entry into the Husson program, may be transferred from an accredited institution if the grades earned in such coursework are “B” or better.

**Change of Specialty Track Within Husson University Graduate Nursing Program**

A student in the Husson Master’s program who wishes to change to a different specialty track needs to submit an application to the selected program. The application will be reviewed with all other applicants during the admission review period. Following admission to the new program, the student will submit a Change of Specialty Form to the registrar.

Courses successfully completed in the Husson Master’s program that are required in the new specialty track will be accepted for credit.

**Academic Policies**

Students must maintain a "B" average in order to continue their graduate program. A student whose average falls below 3.0, who earns a grade lower than a "C", or who earns more than two grades of "C" or "C+" in non-clinical/non-internship courses, will be reviewed by the Graduate Committee, which may dismiss the student or determine the conditions under which the student may continue in the program. No more than six credits of course work in the "C" range can be applied toward the master’s degree. A student who has not attained a grade point average of 3.0 or better at the end of his or her program of study will not graduate.

No grade below “B” will be accepted in any graduate clinical/internship nursing course:

In the Family and Community Nurse Practitioner Track, these courses are:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>NU 802</td>
<td>Family Health II – Adult-Gero Health (168 Internship Hours)</td>
<td>6</td>
</tr>
<tr>
<td>NU 806</td>
<td>Family Health IV-Integrating Primary Care (168 Intern. Hrs.)</td>
<td>6</td>
</tr>
<tr>
<td>NU 807</td>
<td>Family Health I – Pediatrics (168 Internship Hours)</td>
<td>6</td>
</tr>
<tr>
<td>NU 808</td>
<td>Family Health III – Women’s Health (168 Internship Hours)</td>
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In the Family Psychiatric Nurse Practitioner Track, these courses are:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>NU 722</td>
<td>Adv Mental Hlth Asmt Across the Lifespan (168 Clinical Hrs)</td>
<td>5</td>
</tr>
<tr>
<td>NU 810</td>
<td>Family Psychiatric Nursing I (210 Clinical Hours)</td>
<td>6</td>
</tr>
<tr>
<td>NU 812</td>
<td>Family Psychiatric Nursing II (210 Clinical Hours)</td>
<td>6</td>
</tr>
<tr>
<td>NU 814</td>
<td>Family Psychiatric Nursing III (210 Clinical Hours)</td>
<td>6</td>
</tr>
</tbody>
</table>

In the Nursing Education Track, these courses are:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>NU 832</td>
<td>Curriculum Development in Nursing Education</td>
<td>3</td>
</tr>
<tr>
<td>NU 834</td>
<td>Assessment and Evaluation in Nursing Education</td>
<td>3</td>
</tr>
<tr>
<td>NU 838</td>
<td>Internship/Clinical Practicum in Nursing Education</td>
<td>4</td>
</tr>
</tbody>
</table>

Students in the M.S.N. program may retake a clinical course for a passing grade only once. If they earn a second grade below a “B” in any other clinical/internship course, they will be dismissed from the program.

Students will receive one final grade for each graduate nursing course. The clinical/internship component will be graded on a “Pass/Fail” basis. If a student fails the clinical/internship component, he or she receives an “F” for the overall course grade.

All other academic and financial policies of the Graduate Nursing programs are consistent with those identified in the Husson University Catalog and Graduate Nursing Program Student Handbook.

**Husson University School of Nursing Technical Standards**

The Baccalaureate of Science in Nursing (BSN) or Masters of Science in Nursing (MSN) degrees awarded by Husson University School of Nursing attests that the BSN or MSN graduate has acquired a broad base of knowledge, skills and abilities, for safe and competent practice as a professional nurse or advance practice nurse. Nursing education requires that the accumulation of evidence-based knowledge be accompanied by the simultaneous acquisition of technical skills, professional attitudes and professional behaviors. In addition to specific teaching clinical sites requirements, the following technical requirements have been adopted by the Husson University School of Nursing programs as requirements for progression within and graduation from the BSN or MSN programs. In signing the student handbook, the student is attesting to and agrees to abide with the following:
Physical Requirements:

- **Vision:** Able to assess patient’s health status using visual inspection and observation to detect changes in physical appearance, contour, and color. Able to accurately read labels on medications and calibration and monitoring devices (i.e. syringes, manometers and other monitoring; able to read and create written communication/charting and policies.

- **Depth perception and fine motor skills:** Able to recognize objects that have depth, height and width, such as needed to describe wounds, etc. Able to perform gross and fine motor skills such as what is needed to insert medical supplies and medication into the body (such as indwelling urinary catheters and injections). Able to write and type accurately and clearly on all required assignments, and patient records.

- **Hearing:** Able to hear within normal range the spoken word, auditory monitoring devices (such as stethoscope) as well as hear mechanical alarms.

- **Speech:** Able to communicate verbally in an understandable manner using the English language to communicate with patient/family and health care team. Able to provide patient specific teaching.

- **Walking:** Able to walk and use stairs while in the clinical area.

- **Standing:** Able to stand for prolonged periods of time while in the clinical area.

- **Sitting:** Able to be seated in class, computer lab, clinical labs, in clinical conferences as well as during charting in the clinical area.

- **Lifting/Carrying:** Able to lift and carry an average of 10-50 pounds such as medical supplies. Required to lift, transfer, and move patients in the nursing lab and clinical areas. Effectively assist patients in the rehabilitation process of ambulation, stair climbing, and transferring techniques.

- **Tactile Sensation:** Able to detect condition and changes of the body by using the fingers and hands to touch. Able to feel vibrations, pulses and skin temperature.

- **Pushing/Pulling:** Able to push, pull, position and transfer patients. Able to perform cardiopulmonary resuscitation (CPR) such as with chest percussions, etc.

- **Bending/Reaching/Twisting/Turning and Stretching:** Able to reach, stoop, bend, kneel, crouch and other motions that are required when bathing patients, changing beds and using medical equipment.

- **Speech:** Able to speak clearly and audibly.

- **Hearing:** Able to hear within the normal range.

- **Communication:** Written and oral communication in English is required.

**Emotional Requirements:** Students must have sufficient emotional stability to perform under stress produced by both academic study and the necessity of performing nursing in simulated and real patient situations while being observed by faculty, peers, clinical educators, and others. Students need to have the endurance to adapt to a physically and emotionally demanding program. Students must tolerate moderate personal stress levels to achieve success while adhering to the professional standards and requirements of the nursing program.

The skills essential to being a student nurse and ultimately, a nurse, include the following: Able to critically reason, and adapt to varying pressures, stress and changes, especially those in unpredictable crises and emergencies. Students must be able to demonstrate self-control, patience, and tolerance. Students must be able to accept feedback and instruction. Emotional stability is required to be part of a positive learning environment, in respectful patient care and teaching, and with communication with peers, faculty, health care team, patients and families. Sensitivity and compassion is required in meeting the needs of all patients (geriatric, children, etc.). Patient’s comfort, privacy and confidentiality must be maintained.

**Cognitive Requirements:** The student must exhibit cognitive skills necessary for problem solving, clinical reasoning, and judgment. Students must integrate a variety of material with increasing complexity presented throughout the curriculum including presentations, class discussions, interviews and assessments, and reading from textbooks, journals, and medical records. Students must be able to identify and respond accurately to factual information as well as subtle non-verbal cues of mood, temperament, and gestures provided by others. Students must be attentive and be able to focus during class and clinical experiences to fully participate in the learning environment.

**Social Requirements:** The student must have appropriate social skills for forming and maintaining relationships with a variety of people including faculty, peers, clinical instructors, patients and their families/significant others. Students must demonstrate the ability to participate as an effective group member. Flexibility and maturity in all interactions is required for this program. Verbal and non-verbal communications and interactions must be respectful, civil and professional in manner, demeanor and tone.

**Communication Requirements:** Students must be able to communicate in written and oral English effectively with faculty, peers and patients in the classroom, clinical setting and community. Communication skills include oral speech, reading and writing in order to be able to complete written and oral assignments.

**Health and Safety Requirements:** Students must display good self-awareness of personal health practices and hygiene. They must understand the importance of good personal health habits and prevention of disease/infection control. They must display an awareness of personal issues and report any that would potentially interfere with their ability to completely care for others.

The nursing student may not pose a risk to the health and safety to themselves or others in the school, clinical area, or at any Husson University sanctioned event/activities. The student must always protect self and others from exposure to body fluids, and communicable diseases by using the education and training provided in labs and the clinical areas. The student, in a professional manner, must be able to tolerate unpleasant events as those found in accidents, injuries, illness and death.

**Reasonable Accommodation**

It is the policy of Husson University, School of Nursing, to provide reasonable accommodation to qualified students with a disability so they can meet these essential requirements in accordance with the Rehabilitation Act of 1973 and the Americans with Disability Act of 1990. Whether or not a requested accommodation is reasonable will be determined on an individual basis. Determining what is a reasonable accommodation is an interactive process, which the candidate must initiate with the Director of Nursing who can be reached at (207) 941-7058 or brawng@husson.edu and with the Dean of Students who can be reached at (207) 992-1934 or wilsonbarkers@husson.edu.
Resources for Graduate Study

Libraries: The Husson Library, in addition to its collection of nursing and health care related materials, has the capability of locating necessary materials in other libraries through Interlibrary Loan. Students have access to the Bangor Public Library, one of the finest in the East, the Eastern Maine Medical Center Parrot Health Sciences Library, and the Fogler Library at the University of Maine. The latter is the regional depository for all government publications.

Computer Facilities: The University has microcomputer labs with PCs. The labs provide instructional and operational assistance to users and potential users of microcomputers in business, professional, health and educational settings, as well as Internet access.

Health Assessment Lab: This facility offers graduate nursing students an opportunity to practice advanced health assessment skills in a realistic clinical setting. Exam areas and equipment are set up to simulate an ambulatory clinic setting for student use in both course labs and informal practice sessions.

Courses

NU 100. Professional Concepts in Nursing. 3 Hours.
The major focus of this course is on preparing students for the rigorous nursing curriculum. Topics include the essence of baccalaureate nursing and the curriculum design. Also included are discussions aimed to enhance student success, including self-assessment and identification of learning styles. The major concepts of this nursing course will provide a framework for the individual’s program of study. They include, but are not limited to, critical thinking, the nursing process, teaching/learning, and an introduction to ethical and legal concerns in the nursing profession.

NU 208. Health Assessment. 4 Hours.
The emphasis of this course is on the health assessment of an adult. Evidence-based health promotion and disease prevention goals, risk assessment, and client education are highlighted. In the classroom and clinical laboratory, the student will learn to gather subjective and objective data about a client’s health status utilizing face-to-face interviews and physical examination techniques, as well as by making use of a digital clinical experience. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222.

NU 211. Nursing Intervention I. 3 Hours.
This course introduces concepts of patient care and basic nursing interventions used in caring for individuals throughout the lifespan. Learners will use the classroom and skills laboratory to gain beginning competence in nursing theory, nursing process, basic nursing skills, therapeutic communication, and critical thinking. Students will also develop an awareness of diverse cultural beliefs and values in relation to health care. A major focus will be on the nurse’s role in the safe delivery of care. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222 and SC 180 and SL 180 and NU 100 and (MS 141 or MS 180 or MS 181).

NU 212. Nursing Intervention II. 4 Hours.
This course is the second half of NU 211 and focuses on knowledge and skills that are fundamental to nursing care throughout the lifespan and regardless of disease entity. Using the classroom, lab, and clinical placements, learners will demonstrate competence in the application of the nursing process in the planning and delivery of nursing care. Themes of growth and development, cultural diversity, evidence-based practice, and critical thinking will be threaded throughout. Skills and knowledge learned in this course are foundational to learning throughout the rest of the curriculum. Prerequisite(s): NU 211.

NU 214. Pharmacology. 3 Hours.
This course builds upon students’ knowledge of anatomy, physiology, chemistry and the nursing process. It is designed to provide the knowledge required for the safe administration of drugs and teaching with patients across the lifespan. Actions, therapeutic uses, interactions and side effects of major drug classifications, as well as nursing responsibilities related to drug administration to patients across the life span are examined. Prerequisite(s): NU 211.

NU 299. Topic/. 1 Hour.
Selected topics in nursing are considered. The course enhances students’ knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 315. Child Health. 5 Hours.
This course addresses the care of ill children and their families. Adaptation theory will be used as the theoretical framework for nursing assessments, interventions, and evaluations. The nursing process is applied relative to this population. This course encompasses diagnostic and therapeutic techniques. Clinical opportunities are provided in the acute care setting. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234.

NU 320. Nursing Research. 3 Hours.
Students will understand the basic concepts, processes, and applications of quantitative and qualitative research. Students will analyze the role and implication of nursing research and research within other disciplines on the nursing profession. Prerequisite(s): MS 132.

NU 322. Adult/Family Health I. 5 Hours.
This course facilitates the integration of knowledge and skills acquired from previous courses. The emphasis is on understanding the nurse’s role in uncomplicated acute and chronic illness with predictable outcomes within changing practice environments across the spectrum of health and illness. In a learner-centered classroom and simulation environment, analytical and experiential learning activities are provided which encourage active participation in demonstrating clinical reasoning and judgment in meeting the health care needs of clients/family. The goal is for the learner to be able to approach client care conceptually, so that care is designed with a focus on prioritization and solid understanding of rationales. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 333 and SC 234.

NU 323. Adult/Family Health II. 5 Hours.
This course facilitates students’ integration of knowledge gained from previous courses, and expands students’ knowledge from previous learning experiences. Theoretical and conceptual models and related research provide the foundation for expanding health assessment and clinical practice skills. Analytical and experiential learning activities are provided which encourage active participation in demonstrating decision-making skills and judgment in meeting the health care needs of clients/family. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234 and NU 322.

NU 324. Maternal and Newborn Nursing. 5 Hours.
The focus of this course is the childbearing family. Concepts related to pregnancy issues, pregnancy, the fetus/newborn, and the post delivery family are presented. Physiologic, social, and cultural issues, as they relate to the childbearing family, are included. Clinical experiences occur in a variety of settings, including inpatient, educational, and community settings. Prerequisite(s): SC 233 and SC 234 and SC 241 and NU 208 and NU 211 and NU 212 and NU 214.
NU 412. Community Health. 5 Hours.
This course builds upon the student’s broad base of knowledge in the natural and social sciences, humanities, and previous nursing content. Attention is directed toward assessment of biopsychosocial stresses of the individual, family, group, and community and their adaptation to changes in the environment. Prerequisite(s): NU 322 and NU 323 and NU 324 and NU 320 and NU 315.

NU 422. Community Mental Health. 5 Hours.
This course focuses on behaviors, which occur when individuals, families, and groups in the community are unable to cope effectively with acute and chronic biopsychosocial and cultural stressors. Relevant theories and theoretical formulations are used in order to promote an understanding of individual, family, group, and community dynamics. Within the framework of the nursing process, self-knowledge and intervention skills are developed which allow the student to assist individuals, families, and groups in their adaptation to internal and external stressors. Prerequisite(s): NU 320 and NU 322 and NU 323 and NU 324 and NU 315.

NU 424. Adult / Family Health III. 3 Hours.
This course is the last in a sequence of adult health. It is designed to integrate and expand previous learning, clinical and leadership experiences of the student. Students will participate in scenarios that require them to critically analyze and apply research, theories and educational models of teaching/learning processes. Clinical practice provides the opportunity to synthesize knowledge and demonstrate diagnostic reasoning, critical decision-making and delegation. Engaged ethical and clinical reasoning occurs with student’s involvement in the management of adult, family, and groups in complex clinical health care situations with expert nurse partners and faculty. This partnership creates a way to understand and guide analytical and experiential learning. These clinical partnerships take place in a variety of clinical settings. Prerequisite(s): NU 322 and NU 323.

NU 425. Nursing Senior Capstone. 1-2 Hour.
The capstone course is an opportunity for the student to demonstrate that he or she has achieved the terminal outcomes of the Husson/EMMC Baccalaureate Nursing Program. The capstone promotes connection between knowledge, skills, and attitudes learned in both general education and nursing courses. This course is student centered and student directed and will facilitate the graduate’s transition to the professional world. Prerequisite(s): NU 315 and NU 320 and NU 322 and NU 324.

NU 426. Policy Leadership and Management in Nursing. 3 Hours.
This course provides a conceptual and practical basis for examining professional nursing leadership roles. Emphasis is placed on accountability in regulated systems, management of complex organizations, and principles of advocacy aimed at the promotion of health and quality health systems. Prerequisite(s): College Level=Senior.

NU 431. Wound Management. 3 Hours.
Focus is on utilization of the Nursing Process in the provision of care to clients with chronic wounds. Emphasis is placed on client/family education and the use of evidence-based practice in wound management. Prerequisite(s): NU 208 and NU 212.

NU 432. Caring, Spirituality & Culture. 3 Hours.
This course is designed to provide the undergraduate nursing student with a working knowledge of how the concepts of caring, culture and spirituality influence health status and health related behaviors. The focus of the course is to explore these concepts, their meanings and implications, and to utilize the concepts when providing or planning holistic nursing care for diverse clients, families, groups, and communities.

NU 433. Gerontological Nursing. 3 Hours.
Course is to address the professional nursing role in providing and coordinating health care for the elderly population. Content provided is to address physical, emotional, social and spiritual needs of older adults. The nursing process will identify individual and family issues for professional nurse to serve as a conduit for skills and information to promote successful aging. Prerequisite(s): NU 208 and NU 212.

NU 435. History of Women’s Health. 3 Hours.
An elective course that explores the progression of the women’s health movement in the U.S. from the 1800’s to present day. Ideas about women’s bodies as an entity of wellness and illness in the context of medicine and the feminist movement will be discussed and researched in this seminar-type class. The student will gain an understanding of the struggles as well as the accomplishments of important historical figures and their concepts. Traditional women healers from lay to professional will be researched for an understanding of how women receive health care in 2008. Race, ethnicity, disability, sexuality and class will be examined looking at individual perspectives of health and care. Prerequisite(s): NU 208 and NU 212.

NU 441. Role Transition to BSN. 3 Hours.
In this course, students examine the transition of the Registered Nurse (RN) to the professional role of pursuing an advanced degree at the baccalaureate or graduate level. As the entry course for the RN-to-BSN program, students are provided with networking and mentoring opportunities with peers and faculty. Professional bases for nursing practice, critical abilities for today’s professional nurse, and role of continuous quality improvement and safety in healthcare systems are explored. This course is offered in a hybrid format.

NU 442. Health Informatics & Technology. 3 Hours.
In this course, students explore the changing technology environment and its potential impact on the delivery of quality, safe patient care. The course combines knowledge of nursing, computers and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: (a) technology’s impact on nursing work flow, (b) legal and ethical considerations associated with select technology, and (c) the impact of technology on the changing role of the nurse. This course is offered in a hybrid format.

NU 443. Quality Improvement in Healthcare Systems. 3 Hours.
In this course, students are introduced to competencies necessary for studying clinical microsystems and examining their influence on patient safety, satisfaction, and other clinical outcomes. Students will apply: (a) quality improvement assessment tools and models within a microsystem, (b) continuous quality improvement theory, (c) evidence-based practice, (d) performance improvement methods, and (e) the development of team-based problem solving and resolution. This course is offered in a hybrid format.
NU 444. BSN Capstone Practice (with 42 Practicum Hours). 3 Hours.
This is the culminating scholarly experience in the RN-to-BSN program of study. Students will focus on synthesis and integration of complex concepts relevant to their scope of practice, and leadership and management skills in complex organizational environments. Emphasis is placed on the application of leadership principles through an evidence-based capstone project. This course is offered in a hybrid format. Prerequisite(s): NU 441 and NU 442 and NU 443 and NU 706 and NU 710 and NU 740.

NU 499. Topic/. 1-3 Hour.
Selected topics in nursing are considered. The course enhances students’ knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 700. Theories and Roles for Advanced Nursing Practice. 3 Hours.
This course is designed to provide an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. The importance of the role of the Advanced Practice Nurse in Interprofessional Collaboration is also explored. Emphasis is placed on the relevant historic, current and future practice issues inherent in the varied aspects of advanced practice nursing. The course also examines legislative issues and trends at both state and national levels, as they relate to the effective and appropriate role of advanced practice nurses within our rapidly changing healthcare system.

NU 701. Theories for Advanced Nursing Practice. 2 Hours.
This course provides an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. These theories reflect important contributions from both the nursing profession and non-nursing disciplines. The course provides a historical perspective and analysis of nursing theorists from Nightingale to emerging theorists and includes an introduction to theories fundamental to advanced practice nursing, such as role theory and family nursing theory.

NU 702. Advanced Pharmacotherapeutics. 3 Hours.
This course builds upon undergraduate understanding of pharmacological principles and agents by preparing students to evaluate and prescribe medications for common acute and chronic health problems seen in the primary care setting. Students will examine the regulatory aspects of drug administration and prescription from the perspective of advanced nursing practice. The focal point of the class will be the development of clinical decision-making skills essential to safe and effective pharmacologic intervention. Current concepts in pharmacologic therapies as part of the treatment of commonly encountered health problems will be stressed. The importance of collaboration between Advanced Practice Nurses and Pharmacy colleagues will be addressed, particularly in regard to patient safety and treatment efficacy. Prerequisite(s): NU 700 and NU 706.

NU 703. Roles for Advanced Nursing Practice. 2 Hours.
This course provides an in-depth analysis of the role of the advanced practice nurse. That knowledge is needed to conceptualize and identify with relevant historic, current and future practice issues inherent in the role. Both state and national legislation and trends are addressed, as they relate to the effective and appropriate use of advanced practice nurses within the rapidly changing healthcare system.

NU 704. Advanced Health Assessment. 3 Hours.
The focus of this course is the assessment of total health status of adult patients. The course is designed to enable the student to develop diagnostic reasoning skills and to utilize a regional approach to physical examination. Instruction builds upon the health assessment skills of the experienced RN/BSN and includes a laboratory practicum that provides the student with opportunities to apply new knowledge and practice in the areas of physical examination. Students will perform complete physical exams on each other and standardized patients – obtaining health histories, performing physical examinations and documenting findings. Along the way, students will learn more about the importance of providing high-quality care that is culturally competent, the process of developing a list of Differential Diagnoses and appropriate ordering of diagnostics. Prerequisite(s): NU 700 and NU 706.

NU 705. Advanced Psychopharmacology. 3 Hours.
This course reviews the application of pharmacotherapeutic principles to psychiatric disorders across the lifespan. Major class of medications include antidepressants, mood stabilizers, psychostimulants, antipsychotic medications, anxiolytics and off label use. Students review in detail the indications, contraindications, side effects and adverse reactions and drug interactions. In addition, the course addresses the use of herbal remedies, homeopathy and diet. The course places special emphasis on the applications of psychopharmacology to clinical case studies across the lifespan, including children, adolescents, adults, and geriatric populations. Prerequisite(s): NU 700 and NU 702 and NU 706 and NU 707.

NU 706. Advanced Pathophysiology. 3 Hours.
This course examines the reaction of the body to disease throughout the lifespan. Using a conceptual approach that is designed to integrate knowledge from basic and clinical sciences, it focuses on alterations in biological processes which affect the body’s dynamic equilibrium. Alterations at the cellular and organ level are presented and include genetic, metabolic, infectious, immunologic, degenerative, and neoplastic processes. Clinical problems will be developed and explored to facilitate the acquisition of critical thinking, problem-solving and evaluation skills needed by practitioners in the management of clients with chronic and acute health problems.

NU 707. Neurobiology. 3 Hours.
This course focuses on the study of brain, mind and behavior and examines the neuroanatomical, neurophysiological, and biochemical foundations of cognition, mood, emotion, affect, and behavior and the interactions among them. It takes into consideration both internal and external influences across a person’s life span. Included is an overview of brain functioning and mechanisms of neurotransmission, genetics, the effects of other body systems such as the endocrine and immune systems, temperament, and the environment. Prerequisite(s): NU 706.

NU 710. Nursing Research. 3 Hours.
This course explores the principles and uses of the research process in Advanced Practice Nursing. The graduate nursing student will become an active participant in the research experience and be prepared to develop, write and present a research proposal. Content will focus on evidence-based practice, understanding the role of a nurse practitioner as researcher, and the development of a research proposal that will be the foundation and beginning process of their scholarly project. Students are strongly encouraged to develop a proposal that includes interprofessional collaboration. Prerequisite(s): NU 700.
NU 722. Adv Mental Hlth Assmt Across the Lifespan (168 Clinical Hrs). 5 Hours.
This course is designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 740. Public Health Policy Issues and Challenges. 3 Hours.
This course is designed to provide the graduate student with an opportunity to explore and evaluate the political process, fiscal policies, and their impact on public health and the health care system. The use of sociopolitical and ethical frameworks are interwoven with policy development. Opportunities are provided for students to critique public policy and determine how the behavior of health professional’s impact governmental decisions and regulatory processes. Students will explore legislative processes, state/federal policies, and analyze current legislative and policy issues.

NU 799. Special Topics in Nursing. 1-3 Hour.
Selected topics in nursing are offered under the guidance of graduate faculty. The course enhances students knowledge of advanced practice nursing, building on previous knowledge of nursing and healthcare in today’s complex and rapidly changing healthcare system. This course may be used as an elective in the student’s program of study and may be taken more than once as long as different topics are taken.

NU 801. Adv Mntl Hlth Assmt Across the Lifespan (168 Clinical Hrs). 5 Hours.
NU 801 is a hybrid course designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 802. Family Health II -- Adult-Gero Health (168 Internship Hours). 6 Hours.
This course explores relevant practice issues in the health care of adults and families. Primary focus is on the assessment of acute and chronic health problems experienced by this population, as well as health promotion/disease prevention activities. The precepted internship experience gives students an opportunity to provide primary care to adults of any age. In the course, students continue to further explore the interprofessional collaborative role in both the classroom and clinical setting. Prerequisite(s): NU 700 and NU 702 and NU 704.

NU 806. Family Health IV-Integrating Primary Care (168 Intern. Hrs.). 6 Hours.
This is the culminating internship course in the program. The focus is on synthesizing the knowledge and clinical management skills from previous courses in preparation for the transition from graduate student to novice nurse practitioner. The course emphasizes the importance of integrating patient care by collaborating with other healthcare providers particularly in regard to improving patient safety and health outcomes. Students take part in seminars that allow them to thoroughly explore both clinical and non-clinical issues frequently noted in primary care. At the same time, students become familiar with the newest clinical guidelines for disorders most commonly seen in primary care. Information is provided and discussed in four on-campus/virtual sessions, weekly Journal Club requirements and will culminate with the presentation of Capstone projects. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 802 and NU 807 and NU 808.

NU 807. Family Health I -- Pediatrics (168 Internship Hours). 6 Hours.
The focus of this course explores theories and the practice of health care for children from infancy through adolescence within a context of family health care. The course will focus on health promotion and acute and chronic illness conditions experienced by these childbearing and childrearing families. This course will focus on health illness issues experienced by this population in underserved rural and urban areas. The clinical practicum experience will present the advanced practice nursing student with clinical experience in assessing, planning, and managing care for families in these age groups at a variety of clinical sites. Opportunities will be available in both the classroom and clinical setting to further explore the roles inherent to the advanced practice nurse who provides primary health care to these clients. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 808. Family Health III -- Women’s Health (168 Internship Hours). 6 Hours.
This course explores the theories and practice of healthcare for women within the context of the family. It also focuses on health promotion and acute or chronic illness that may be experienced particularly by childbearing families. The internship will present the family nurse practitioner student with precepted experiential learning in assessing, planning and managing women’s health from a primary care perspective. Particular emphasis will be placed on the importance of collaborating with other health care professionals in order to achieve patient safety and optimal health outcomes. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 809. Adv Women’s Health Assessment II (w/168 Intern Hrs). 6 Hours.
Building on previous study in women’s health, students begin to critically examine and address concepts and research related to issues of women from adolescence to menopause. This course focuses on the advanced practice nursing knowledge necessary for the comprehensive assessment and health management of individuals and families during the childbearing years. Particular attention will be paid to the pre-, ante- and post-natal periods. Concepts include human sexuality, disease prevention, pregnancy/childbirth and urogynecological issues as well as the social and political determinants of health. Prerequisite(s): NU 808.
NU 810. Family Psychiatric Nursing I (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner’s role in the delivery of mental health care for mentally ill individuals and families across the lifespan. Students examine the theories relevant to family therapy and individual psychotherapy, as well as psychopharmacological and alternative treatments. Practicum experiences focus on student application of family interventions and therapy as well as individual interventions and psychotherapy in acute and chronic care settings. Populations include children, adolescents, adults, and geriatric individuals. Prerequisite(s): NU 702 and NU 705 and NU 710 and NU 722.

NU 811. Women’s Health Iss - A Public Health Approach to Care & Pol. 3 Hours.
Consistent with the emerging definitions of women’s health and women’s health practice, this course examines a full range of health issues unique to women. Women’s health specialization includes prevention, the societal and political determinants of health, patient education and reconceptualization of women’s relationships with health care providers. Health assessment and maintenance as well as disease identification and treatment will be presented on a wellness to illness continuum. Students develop a woman-centered holistic approach to care—the central concept in women’s health nursing practice.

NU 812. Family Psychiatric Nursing II (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner’s role in the delivery of primary mental health care across the lifespan. The course emphasizes promoting optimum mental health, preventing mental illness, health maintenance, and preventing new occurrences of mental illness. Students examine theories relevant to group therapy interventions and consultation, as well as psychopharmacological and alternative treatments. The advanced practice nursing student will develop interventions and programs that reduce stressors and maximize mental health for individuals of all ages and communities. Prerequisite(s): NU 810.

NU 813. Advanced Women’s Health Assessment III (w/168 Intern Hrs). 6 Hours.
Students in this course will examine the unique issues and needs of the peri- and post-menopausal woman. There will be significant focus on the issues of healthy aging, sexuality, urogynecologic and hormonal changes affecting women as they move beyond the childbearing years. Prerequisite(s): NU 808 and NU 809.

NU 814. Family Psychiatric Nursing III (210 Clinical Hours). 6 Hours.
In this course, the psychiatric nurse practitioner’s role is further developed as the learner integrates psychiatric theory and practice skills while intervening with the chronic mentally ill in rural settings. Emphasis is on integration of psychotherapeutic, pharmacological, alternative therapeutic approaches, including crisis intervention and case management. During the practicum experiences, students coordinate care and advocate for special populations of individuals, families, and groups across the lifespan. Prerequisite(s): NU 812.

NU 816. Psychiatric NP Internship/Practicum. 3 Hours.
Class - 1.5 Credits, Clinical - 9 Hours/Week (Total 126 Hours) This is an intensive clinical internship that prepares students to practice in the role of a psychiatric nurse practitioner. Building on biopsychosocial theories, the student will deliver comprehensive holistic primary mental health care to clients. Students will conduct comprehensive assessment, including diagnosis of and referral for physical health problems. Additionally, clinical experiences will include ordering and interpreting laboratory and diagnostic studies. Comprehensive medication management of psychiatric clients will include an in-depth knowledge of psychotropic medications, acceptable prescribing practices and monitoring for side effects and efficacy. Students will present case studies with decision-making trees during seminars to explore relevant clinical and non-clinical issues. Prerequisite(s): NU 702 and NU 704 and NU 706.

NU 818. Family Psychiatric Nurse Practitioner Practicum. 2 Hours.
This is an intensive clinical internship that prepares students to practice in the role of a family psychiatric nurse practitioner. It will broaden the depth of content and practice that students have already assimilated in the areas of child and adolescent psychotherapy and psychopharmacology. Building on biopsychosocial theories, the student will deliver holistic primary mental health care to clients. Students will conduct comprehensive assessments, including diagnosis of and referral for physical health problems. Clinical experiences will be on therapeutic treatment modalities and interventions with children and adolescents, including therapy and psychopharmacology. Therapy content will cover a range of therapeutic interventions from analytical to behavioral, family, individual and group and long term to brief therapy. Psychopharmacological content will include ordering and interpreting laboratory and diagnostic studies, in-depth knowledge of psychotropic medications, acceptable prescribing practices, monitoring for side effects and efficacy, risk verses benefit and an understanding of normal growth and development and what constitutes psychopathology. Students will present case studies with decision-making trees during seminars to explore relevant clinical and non-clinical issues.

NU 830. Teaching Learning Theories & Strategies in Health Education. 3 Hours.
This course focuses on the theoretical foundations and strategies of teaching and learning in health education. The graduate health student will explore the various learning theories and pedagogical frameworks that guide the selection of instructional and learning strategies essential for both faculty and students. Content will be delivered using a variety of methodologies — classroom, multi-media on-line and on-line blog-type discussion format. Course participants will identify the differences and similarities in the learning theories specific to basic procedures of learning, assumptions made about such learning, the role of the educator, various sources of motivation to learn, and methods by which the transfer of learning is accomplished. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.

NU 832. Curriculum Development in Nursing Education. 3 Hours.
This course focuses on curriculum development that reflects contemporary health care trends and prepares graduates to function effectively within the context of continuously evolving nursing, health care and educational systems. In this course the graduate nursing student will design a curriculum that reflects institutional philosophy and mission, current nursing and health care trends, and community and societal needs so as to prepare nurses for practice in a complex, dynamic, multicultural health care environment. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.
NU 834. Assessment and Evaluation in Nursing Education. 3 Hours.
This course is designed to introduce learning evaluation concepts, including test and measurement, at the didactic, clinical, and programmatic levels. Course content will include strategies to assess and evaluate learning in the cognitive, psychomotor, and affective domains. Quality improvement, as well as legal and ethical considerations is explored within these concepts. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 740 and NU 710 and NU 730.

NU 836. Informatics and Technology in Health Education. 3 Hours.
The 3 credit course will explore the changing technology environment and its potential to impact on the delivery of quality, safe patient care. Infusing technology into educational programs is vital in preparing students to understand and meet the demands of caring for today’s patient populations. The course facilitates and enhances healthcare student’s knowledge, skills, and abilities to apply meaningful use of technology within their respective program of study. Focus will combine knowledge of healthcare professional, computers, social media, and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: technology’s impact on health profession work flow, legal, ethical and security considerations associated with select technology, and the impact of technology on the changing roles in healthcare will be discussed as they apply to clinical and consumer information technologies.

NU 838. Internship/Clinical Practicum in Nursing Education. 2-4 Hours.
This is the capstone clinical course in the nurse educator track. It involves the synthesis, refinement, and application of nursing, education, and evaluation theory in a variety of educational settings and integrated seminars. The bi-weekly seminars are framed within the context of established nurse educator scope of practice (NLN, 2005) and competencies (Council on Collegiate Education for Nursing, 2002; NLN, 2005) and students apply these in a variety of diverse academic and clinical settings under expert preceptor guidance. Graduate nursing students will create and share comprehensive portfolios demonstrating their ability to plan, deliver, assess and refine effective professional education offerings in varied settings with diverse learners. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740 and NU 830 and NU 832 and NU 834 and NU 836.

NU 840. Nurse Educator Capstone. 1-3 Hour.
This is the culminating scholarly experience in the master’s program. Graduate nursing students will demonstrate mastery of one particular subject area in their specialty track by developing a scholarly project based on factors used by the American Association of Colleges of Nursing’s Position Statement on Defining Scholarship for the Discipline of Nursing (1999) that include significance to the profession, creativity, documentation, replication and peer review. The course allows students to develop such a project in close advisement with a faculty mentor(s) and to present that scholarship through a formal presentation, submitted paper, and a manuscript for publication or professional presentation. Prerequisite(s): NU 710.

M.S. in Nursing
There are presently three tracks in the Graduate Nursing Program offering an M.S. in Nursing:

- Family and Community Nurse Practitioner (FCNP)
- Family Psychiatric-Mental Health Nurse Practitioner (FPMHNP)

The Family & Community Nurse Practitioner Track is comprised of a 48-credit program of study with 672 internship hours and prepares students for a career in Primary Care. Students who successfully complete this program are eligible to sit for the national board examination for certification as a Family Nurse Practitioner (FNP).

The Family Psychiatric-Mental Health Nurse Practitioner Track is comprised of a 50-credit program of study with 798 internship hours and prepares students for a variety of roles in both Primary Care and Behavioral Health. Students who successfully complete this program are eligible to sit for the national board examination for certification as a Psychiatric-Mental Health Nurse Practitioner (across the lifespan) (PMHNP).

Courses
NU 100. Professional Concepts in Nursing. 3 Hours.
The major focus of this course is on preparing students for the rigorous nursing curriculum. Topics include the essence of baccalaureate nursing and the curriculum design. Also included are discussions aimed to enhance student success, including self assessment and identification of learning styles. The major concepts of this nursing course will provide a framework for the individual's program of study. They include, but are not limited to, critical thinking, the nursing process, teaching/learning, and an introduction to ethical and legal concerns in the nursing profession.
NU 208. Health Assessment. 4 Hours.
The emphasis of this course is on the health assessment of an adult. Evidence-based health promotion and disease prevention goals, risk assessment, and client education are highlighted. In the classroom and clinical laboratory, the student will learn to gather subjective and objective data about a client’s health status utilizing face-to-face interviews and physical examination techniques, as well as by making use of a digital clinical experience. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222.

NU 211. Nursing Intervention I. 3 Hours.
This course introduces concepts of patient care and basic nursing interventions used in caring for individuals throughout the lifespan. Learners will use the classroom and skills laboratory to gain beginning competence in nursing theory, nursing process, basic nursing skills, therapeutic communication, and critical thinking. Students will also develop an awareness of diverse cultural beliefs and values in relation to health care. A major focus will be on the nurse’s role in the safe delivery of care. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222 and SC 180 and SL 180 and NU 100 and (MS 141 or MS 180 or MS 181).

NU 212. Nursing Intervention II. 4 Hours.
This course is the second half of NU 211 and focuses on knowledge and skills that are fundamental to nursing care throughout the lifespan and regardless of disease entity. Using the classroom, lab, and clinical placements, learners will demonstrate competence in the application of the nursing process in the planning and delivery of nursing care. Themes of growth and development, cultural diversity, evidence-based practice, and critical thinking will be threaded throughout. Skills and knowledge learned in this course are foundational to learning throughout the rest of the curriculum. Prerequisite(s): NU 211.

NU 214. Pharmacology. 3 Hours.
This course builds upon students’ knowledge of anatomy, physiology, chemistry and the nursing process. It is designed to provide the knowledge required for the safe administration of drugs and teaching with patients across the life span. Actions, therapeutic uses, interactions and side effects of major drug classifications, as well as nursing responsibilities related to drug administration to patients across the life span are examined. Prerequisite(s): NU 211.

NU 299. Topic. 1 Hour.
Selected topics in nursing are considered. The course enhances students’ knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 315. Child Health. 5 Hours.
This course addresses the care of ill children and their families. Adaptation theory will be used as the theoretical framework for nursing assessments, interventions, and evaluations. The nursing process is applied relative to this population. This course encompasses diagnostic and therapeutic techniques. Clinical opportunities are provided in the acute care setting. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234.

NU 320. Nursing Research. 3 Hours.
Students will understand the basic concepts, processes, and applications of quantitative and qualitative research. Students will analyze the role and implication of nursing research and research within other disciplines on the nursing profession. Prerequisite(s): MS 132.

NU 322. Adult/Family Health I. 5 Hours.
This course facilitates the integration of knowledge gained from previous courses, and expands students' knowledge from previous learning experiences. Theoretical and conceptual models and related research provide the foundation for expanding health assessment and clinical practice skills. Analytical and experiential learning activities are provided which encourage active participation in demonstrating decision-making skills and judgment in meeting the health care needs of clients/family. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234.

NU 323. Adult/Family Health II. 5 Hours.
This course facilitates students' integration of knowledge gained from previous courses, and expands students' knowledge from previous learning experiences. Theoretical and conceptual models and related research provide the foundation for expanding health assessment and clinical practice skills. Analytical and experiential learning activities are provided which encourage active participation in demonstrating decision-making skills and judgment in meeting the health care needs of clients/family. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234 and NU 322.

NU 324. Maternal and Newborn Nursing. 5 Hours.
The focus of this course is the childbearing family. Concepts related to prepregnancy issues, pregnancy, the fetus/newborn, and the post delivery family are presented. Physiologic, social, and cultural issues, as they relate to the childbearing family, are included. Clinical experiences occur in a variety of settings, including inpatient, educational, and community settings. Prerequisite(s): SC 233 and SC 234 and SC 241 and NU 208 and NU 211 and NU 212 and NU 214.

NU 412. Community Health. 5 Hours.
This course builds upon the student's broad base of knowledge in the natural and social sciences, humanities, and previous nursing content. Attention is directed toward assessment of biopsychosocial stressors of the individual, family, group, and community and their adaptation to changes in the environment. Prerequisite(s): NU 322 and NU 323 and NU 324 and NU 320 and NU 315.

NU 422. Community Mental Health. 5 Hours.
This course focuses on behaviors, which occur when individuals, families, and groups in the community are unable to cope effectively with acute and chronic biopsychosocial and cultural stressors. Relevant theories and theoretical formulations are used in order to promote an understanding of individual, family, group, and community dynamics. Within the framework of the nursing process, self-knowledge and intervention skills are developed which allow the student to assist individuals, families, and groups in their adaptation to internal and external stressors. Prerequisite(s): NU 320 and NU 322 and NU 323 and NU 324 and NU 315.
NU 424. Adult / Family Health III. 3 Hours.
This course is the last in a sequence of adult health. It is designed to integrate and expand previous learning, clinical and leadership experiences of the student. Students will participate in scenarios that require them to critically analyze and apply research, theories and educational models of teaching/learning processes. Clinical practice provides the opportunity to synthesize knowledge and demonstrate diagnostic reasoning, critical decision-making and delegation. Engaged ethical and clinical reasoning occurs with student’s involvement in the management of adult, family, and groups in complex clinical health care situations with expert nurse partners and faculty. This partnership creates a way to understand and guide analytical and experiential learning. These clinical partnerships take place in a variety of clinical settings. Prerequisite(s): NU 322 and NU 332.

NU 425. Nursing Senior Capstone. 1-2 Hour.
The capstone course is an opportunity for the student to demonstrate that he or she has achieved the terminal outcomes of the Husson/EMMC Baccalaureate Nursing Program. The capstone promotes connection between knowledge, skills, and attitudes learned in both general education and nursing courses. This course is student centered and student directed and will facilitate the student’s transition to the professional world. Prerequisite(s): NU 315 and NU 320 and NU 322 and NU 324.

NU 426. Policy Leadership and Management in Nursing. 3 Hours.
This course provides a conceptual and practical basis for examining professional nursing leadership roles. Emphasis is placed on accountability in regulated systems, management of complex organizations, and principles of advocacy aimed at the promotion of health and quality health systems. Prerequisite(s): College Level=Senior.

NU 431. Wound Management. 3 Hours.
Focus is on utilization of the Nursing Process in the provision of care to clients with chronic wounds. Emphasis is placed on client/ family education and the use of evidence-based practice in wound management. Prerequisite(s): NU 208 and NU 212.

NU 432. Caring, Spirituality & Culture. 3 Hours.
This course is designed to provide the undergraduate nursing student with a working knowledge of how the concepts of caring, culture and spirituality influence health status and health related behaviors. The focus of the course is to explore these concepts, their meanings and implications, and to utilize the concepts when providing or planning holistic nursing care for diverse clients, families, groups, and communities.

NU 433. Gerontological Nursing. 3 Hours.
Course is to address the professional nursing role in providing and coordinating health care for the elderly population. Content provided is to address physical, emotional, social and spiritual needs of older adults. The nursing process will identify individual and family issues for professional nurse to serve as a conduit for skills and information to promote successful aging. Prerequisite(s): NU 208 and NU 212.

NU 435. History of Women’s Health. 3 Hours.
An elective course that explores the progression of the women’s health movement in the U.S. from the 1800’s to present day. Ideas about women’s bodies as an entity of wellness and illness in the context of medicine and the feminist movement will be discussed and researched in this seminar-type class. The student will gain an understanding of the struggles as well as the accomplishments of important historical figures and their concepts. Traditional women healers from lay to professional will be researched for an understanding of how women receive health care in 2008. Race, ethnicity, disability, sexuality and class will be examined looking at individual perspectives of health and care. Prerequisite(s): NU 208 and NU 212.

NU 441. Role Transition to BSN. 3 Hours.
In this course, students examine the transition of the Registered Nurse (RN) to the professional role of pursuing an advanced degree at the baccalaureate or graduate level. As the entry course for the RN-to-BSN program, students are provided with networking and mentoring opportunities with peers and faculty. Professional bases for nursing practice, critical abilities for today’s professional nurse, and role of continuous quality improvement and safety in healthcare systems are explored. This course is offered in a hybrid format.

NU 442. Health Informatics & Technology. 3 Hours.
In this course, students explore the changing technology environment and its potential impact on the delivery of quality, safe patient care. The course combines knowledge of nursing, computers and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: (a) technology’s impact on nursing work flow, (b) legal and ethical considerations associated with select technology, and (c) the impact of technology on the changing role of the nurse. This course is offered in a hybrid format.

NU 443. Quality Improvement in Healthcare Systems. 3 Hours.
In this course, students are introduced to competencies necessary for studying clinical microsystems and examining their influence on patient safety, satisfaction, and other clinical outcomes. Students will apply: (a) quality improvement assessment tools and models within a microsystem, (b) continuous quality improvement theory, (c) evidence-based practice, (d) performance improvement methods, and (e) the development of team-based problem solving and resolution. This course is offered in a hybrid format.

NU 444. BSN Capstone Practice (with 42 Practicum Hours). 3 Hours.
This is the culminating scholarly experience in the RN-to-BSN program of study. Students will focus on synthesis and integration of complex concepts relevant to their scope of practice, and leadership and management skills in complex organizational environments. Emphasis is placed on the application of leadership principles through an evidence-based capstone project. This course is offered in a hybrid format.

NU 499. Topic/. 1-3 Hour.
Selected topics in nursing are considered. The course enhances students’ knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.
NU 700. Theories and Roles for Advanced Nursing Practice. 3 Hours.
This course is designed to provide an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. The importance of the role of the Advanced Practice Nurse in Interprofessional Collaboration is also explored. Emphasis is placed on the relevant historic, current and future practice issues inherent in the varied aspects of advanced practice nursing. The course also examines legislative issues and trends at both state and national levels, as they relate to the effective and appropriate role of advanced practice nurses within our rapidly changing healthcare system.

NU 701. Theories for Advanced Nursing Practice. 2 Hours.
This course provides an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. These theories reflect important contributions from both the nursing profession and non-nursing disciplines. The course provides a historical perspective and analysis of nursing theorists from Nightingale to emerging theorists and includes an introduction to theories fundamental to advanced practice nursing, such as role theory and family nursing theory.

NU 702. Advanced Pharmacotherapeutics. 3 Hours.
This course builds upon undergraduate understanding of pharmacological principles and agents by preparing students to evaluate and prescribe medications for common acute and chronic health problems seen in the primary care setting. Students will examine the regulatory aspects of drug administration and prescription from the perspective of advanced nursing practice. The focal point of the class will be the development of clinical decision-making skills essential to safe and effective pharmacologic intervention. Current concepts in pharmacologic therapies as part of the treatment of commonly encountered health problems will be stressed. The importance of collaboration between Advanced Practice Nurses and Pharmacy colleagues will be addressed, particularly in regard to patient safety and treatment efficacy. Prerequisite(s): NU 700 and NU 706.

NU 703. Roles for Advanced Nursing Practice. 2 Hours.
This course provides an in-depth analysis of the role of the advanced practice nurse. That knowledge is needed to conceptualize and identify with relevant historic, current and future practice issues inherent in the role. Both state and national legislation and trends are addressed, as they relate to the effective and appropriate use of advanced practice nurses within the rapidly changing healthcare system.

NU 704. Advanced Health Assessment. 3 Hours.
The focus of this course is the assessment of total health status of adult patients. The course is designed to enable the student to develop diagnostic reasoning skills and to utilize a regional approach to physical examination. Instruction builds upon the health assessment skills of the experienced RN/BSN and includes a laboratory practicum that provides the student with opportunities to apply new knowledge and practice in the areas of physical examination. Students will perform complete physical exams on each other and standardized patients -- obtaining health histories, performing physical examinations and documenting findings. Along the way, students will learn more about the importance of providing high-quality care that is culturally competent, the process of developing a list of Differential Diagnoses and appropriate ordering of diagnostics. Prerequisite(s): NU 700 and NU 706.

NU 705. Advanced Psychopharmacology. 3 Hours.
This course reviews the application of pharmacotherapeutic principles to psychiatric disorders across the lifespan. Major class of medications include antidepressants, mood stabilizers, psychostimulants, antipsychotic medications, anxiolytics and off label use. Students review in detail the indications, contraindications, side effects and adverse reactions and drug interactions. In addition, the course addresses the use of herbal remedies, homeopathy and diet. The course places special emphasis on the applications of psychopharmacology to clinical case studies across the lifespan, including children, adolescents, adults, and geriatric populations. Prerequisite(s): NU 700 and NU 702 and NU 706 and NU 707.

NU 706. Advanced Pathophysiology. 3 Hours.
This course examines the reaction of the body to disease throughout the lifespan. Using a conceptual approach that is designed to integrate knowledge from basic and clinical sciences, it focuses on alterations in biological processes which affect the body’s dynamic equilibrium. Alterations at the cellular and organ level are presented and include genetic, metabolic, infectious, immunologic, degenerative, and neoplastic processes. Clinical problems will be developed and explored to facilitate the acquisition of critical thinking, problem-solving and evaluation skills needed by practitioners in the management of clients with chronic and acute health problems.

NU 707. Neurobiology. 3 Hours.
This course focuses on the study of brain, mind and behavior and examines the neuroanatomical, neurophysiological, and biochemical foundations of cognition, mood, emotion, affect, and behavior and the interactions among them. It takes into consideration both internal and external influences across a person's life span. Included is an overview of brain functioning and mechanisms of neurotransmission, genetics, the effects of other body systems such as the endocrine and immune systems, temperament, and the environment. Prerequisite(s): NU 706.

NU 710. Nursing Research. 3 Hours.
This course explores the principles and uses of the research process in Advanced Practice Nursing. The graduate nursing student will become an active participant in the research experience and be prepared to develop, write and present a research proposal. Content will focus on evidence-based practice, understanding the role of a nurse practitioner as researcher, and the development of a research proposal that will be the foundation and beginning process of their scholarly project. Students are strongly encouraged to develop a proposal that includes interprofessional collaboration. Prerequisite(s): NU 700.

NU 722. Adv Mental Hlth Asmt Across the Lifespan (168 Clinical Hrs). 5 Hours.
This course is designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.
NU 740. Public Health Policy Issues and Challenges. 3 Hours.
This course is designed to provide the graduate student with an opportunity to explore and evaluate the political process, fiscal policies, and their impact on public health and the health care system. The use of sociopolitical and ethical frameworks are interwoven with policy development. Opportunities are provided for students to critique public policy and determine how the behavior of health professional's impact governmental decisions and regulatory processes. Students will explore legislative processes, state/federal policies, and analyze current legislative and policy issues.

NU 799. Special Topics in Nursing. 1-3 Hour.
Selected topics in nursing are offered under the guidance of graduate faculty. The course enhances students knowledge of advanced practice nursing, building on previous knowledge of nursing and healthcare in today’s complex and rapidly changing healthcare system. This course may be used as an elective in the student’s program of study and may be taken more than once as long as different topics are taken.

NU 801. Adv Mntl Hlth Assmt Across the Lifespan(168 Clinical Hrs). 5 Hours.
NU 801 is a hybrid course designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 802. Family Health II -- Adult-Gero Health (168 Internship Hours). 6 Hours.
This course explores relevant practice issues in the health care of adults and families. Primary focus is on the assessment of acute and chronic health problems experienced by this population, as well as health promotion/disease prevention activities. The precepted internship experience gives students an opportunity to provide primary care to adults of any age. In the course, students continue to further explore the interprofessional collaborative role in both the classroom and clinical setting. Prerequisite(s): NU 700 and NU 702 and NU 704.

NU 806. Family Health IV--Integrating Primary Care (168 Intern. Hrs.). 6 Hours.
This is the culminating internship course in the program. The focus is on synthesizing the knowledge and clinical management skills from previous courses in preparation for the transition from graduate student to novice nurse practitioner. The course emphasizes the importance of integrating patient care by collaborating with other healthcare providers particularly in regard to improving patient safety and health outcomes. Students take part in seminars that allow them to thoroughly explore both clinical and non-clinical issues frequently noted in primary care. At the same time, students become familiar with the newest clinical guidelines for disorders most commonly seen in primary care. Information is provided and discussed in four on-campus/virtual sessions, weekly Journal Club requirements and will culminate with the presentation of Capstone projects. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 802 and NU 807 and NU 808.

NU 807. Family Health I -- Pediatrics (168 Internship Hours). 6 Hours.
The focus of this course explores theories and the practice of health care for children from infancy through adolescence within a context of family health care. The course will focus on health promotion and acute and chronic illness conditions experienced by these childbearing and childrearing families. This course will focus on health-Illness issues experienced by this population in underserved rural and urban areas. The clinical practicum experience will present the advanced practice nursing student with clinical experience in assessing, planning, and managing care for families in these age groups at a variety of clinical sites. Opportunities will be available in both the classroom and clinical setting to further explore the roles inherent to the advanced practice nurse who provides primary health care to these clients. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 808. Family Health III -- Women’s Health (168 Internship Hours). 6 Hours.
This course explores the theories and practice of healthcare for women within the context of the family. It also focuses on health promotion and acute or chronic illness that may be experienced particularly by childbearing families. The internship will present the family nurse practitioner student with precepted experiential learning in assessing, planning and managing women’s health from a primary care perspective. Particular emphasis will be placed on the importance of collaborating with other healthcare professionals in order to achieve patient safety and optimal health outcomes. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 809. Adv Women’s Health Assessment II (w/168 Intern Hrs). 6 Hours.
Building on previous study in women’s health, students begin to critically examine and address concepts and research related to issues of women from adolescence to menopause. This course focuses on the advanced practice nursing knowledge necessary for the comprehensive assessment and health management of individuals and families during the childbearing years. Particular attention will be paid to the pre-, ante- and post-natal periods. Concepts include human sexuality, disease prevention, pregnancy/childbirth and urogynecological issues as well as the social and political determinants of health. Prerequisite(s): NU 808.

NU 810. Family Psychiatric Nursing I (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner’s role in the delivery of mental health care for mentally ill individuals and families across the lifespan. Students examine the theories relevant to family therapy and individual psychotherapy, as well as psychopharmacological and alternative treatments. Practicum experiences focus on student application of family interventions and therapy as well as individual interventions and psychotherapy in acute and chronic care settings. Populations include children, adolescents, adults, and geriatric individuals. Prerequisite(s): NU 702 and NU 705 and NU 710 and NU 722.

NU 811. Women’s Health Iss - A Public Health Approach to Care & Pol. 3 Hours.
Consistent with the emerging definitions of women’s health and women’s health practice, this course examines a full range of health issues unique to women. Women’s health specialization includes prevention, the societal and political determinants of health, patient education and reconceptualization of women’s relationships with health care providers. Health assessment and maintenance as well as disease identification and treatment will be presented on a wellness to illness continuum. Students develop a woman-centered holistic approach to care—the central concept in women’s health nursing practice.
NU 812. Family Psychiatric Nursing II (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner’s role in the delivery of primary mental health care across the lifespan. The course emphasizes promoting optimum mental health, preventing mental illness, health maintenance, and preventing new occurrences of mental illness. Students examine theories relevant to group therapy interventions and consultation, as well as psychopharmacological and alternative treatments. The advanced practice nursing student will develop interventions and programs that reduce stressors and maximize mental health for individuals of all ages and communities. Prerequisite(s): NU 810.

NU 813. Advanced Women's Health Assessment III (w/168 Intern Hrs). 6 Hours.
Students in this course will examine the unique issues and needs of the peri- and post-menopausal woman. There will be significant focus on the issues of healthy aging, sexuality, urogynecologic and hormonal changes affecting women as they move beyond the childbearing years. Prerequisite(s): NU 808 and NU 809.

NU 814. Family Psychiatric Nursing III (210 Clinical Hours). 6 Hours.
In this course, the psychiatric nurse practitioner’s role is further developed as the learner integrates psychiatric theory and practice skills while intervening with the chronic mentally ill in rural settings. Emphasis is on integration of psychotherapeutic, pharmacological, alternative therapeutic approaches, including crisis intervention and case management. During the practicum experiences, students coordinate care and advocate for special populations of individuals, families, and groups across the lifespan. Prerequisite(s): NU 812.

NU 816. Psychiatric NP Internship/Practicum. 3 Hours.
Class - 1.5 Credits, Clinical - 9 Hours/Week (Total 126 Hours) This is an intensive clinical internship that prepares students to practice in the role of a psychiatric nurse practitioner. Building on biopsychosocial theories, the student will deliver comprehensive holistic primary mental health care to clients. Students will conduct comprehensive assessment, including diagnosis of and referral for physical health problems. Additionally, clinical experiences will include ordering and interpreting laboratory and diagnostic studies, in-depth knowledge of psychotropic medications, acceptable prescribing practices, monitoring for side effects and efficacy, risk verses benefit and an understanding of normal growth and development and what constitutes psychopathology. Students will present case studies with decision-making trees during seminars to explore relevant clinical and nonclinical issues. Prerequisite(s): NU 702 and NU 704 and NU 706.

NU 818. Family Psychiatric Nurse Practitioner Practicum. 2 Hours.
This is an intensive clinical internship that prepares students to practice in the role of a family psychiatric nurse practitioner. It will broaden the depth of content and practice that students have already assimilated in the areas of child and adolescent psychotherapy and psychopharmacology. Building on biopsychosocial theories, the student will deliver holistic primary mental health care to clients. Students will conduct comprehensive assessments, including diagnosis of and referral for physical health problems. Clinical experiences will be on therapeutic treatment modalities and interventions with children and adolescents, including therapy and psychopharmacology. Therapy content will cover a range of therapeutic interventions from analytical to behavioral, family, individual and group and long term to brief therapy. Psychopharmacological content will include ordering and interpreting laboratory and diagnostic studies, in-depth knowledge of psychotropic medications, acceptable prescribing practices, monitoring for side effects and efficacy, risk verses benefit and an understanding of normal growth and development and what constitutes psychopathology. Students will present case studies with decision-making trees during seminars to explore relevant clinical and nonclinical issues.

NU 830. Teaching Learning Theories & Strategies in Health Education. 3 Hours.
This course focuses on the theoretical foundations and strategies of teaching and learning in health education. The graduate health student will explore the various learning theories and pedagogical frameworks that guide the selection of instructional and learning strategies essential for both faculty and students. Content will be delivered using a variety of methodologies – classroom, multi-media on-line and on-line blog-type discussion format. Course participants will identify the differences and similarities in the learning theories specific to basic procedures of learning, assumptions made about such learning, the role of the educator, various sources of motivation to learn, and methods by which the transfer of learning is accomplished. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.

NU 832. Curriculum Development in Nursing Education. 3 Hours.
This course focuses on curriculum development that reflects contemporary health care trends and prepares graduates to function effectively within the context of continuously evolving nursing, health care and educational systems. In this course the graduate nursing student will design a curriculum that reflects institutional philosophy and mission, current nursing and health care trends, and community and societal needs so as to prepare nurses for practice in a complex, dynamic, multicultural health care environment. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.

NU 834. Assessment and Evaluation in Nursing Education. 3 Hours.
This course is designed to introduce learning evaluation concepts, including test and measurement, at the didactic, clinical, and programmatic levels. Course content will include strategies to assess and evaluate learning in the cognitive, psychomotor, and affective domains. Quality improvement, as well as legal and ethical considerations is explored within these concepts. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 740 and NU 710 and NU 730.
NU 836. Informatics and Technology in Health Education. 3 Hours.
The 3 credit course will explore the changing technology environment and its potential to impact on the delivery of quality, safe patient care. Infusing technology into educational programs is vital in preparing students to understand and meet the demands of caring for today’s patient populations. The course facilitates and enhances healthcare student’s knowledge, skills, and abilities to apply meaningful use of technology within their respective program of study. Focus will combine knowledge of healthcare professional, computers, social media, and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: technology’s impact on health profession work flow, legal, ethical and security considerations associated with select technology, and the impact of technology on the changing roles in healthcare will be discussed as they apply to clinical and consumer information technologies.

NU 838. Internship/Clinical Practicum in Nursing Education. 2-4 Hours.
This is the capstone clinical course in the nurse educator track. It involves the synthesis, refinement, and application of nursing, education, and evaluation theory in a variety of educational settings and integrated seminars. The bi-weekly seminars are framed within the context of established nurse educator scope of practice (NLN, 2005) and competencies (Council on Collegiate Education for Nursing, 2002; NLN, 2005) and students apply these in a variety of diverse academic and clinical settings with expert preceptor guidance. Graduate nursing students will create and share comprehensive portfolios demonstrating their ability to plan, deliver, assess and refine effective professional education offerings in varied settings with diverse learners. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740 and NU 830 and NU 832 and NU 834 and NU 836.

NU 840. Nurse Educator Capstone. 1-3 Hour.
This is the culminating scholarly experience in the master’s program. Graduate nursing students will demonstrate mastery of one particular subject area in their specialty track by developing a scholarly project including an evidence based review of that topic. The Department of Nursing relies upon the definition of scholarly work provided in the American Association of Colleges of Nursing’s Position Statement on Defining Scholarship for the Discipline of Nursing (1999). This states “scholarship in nursing can be defined as those activities that systematically advance the teaching, research, and practice of nursing through rigorous inquiry that 1) is significant to the profession, 2) is creative, 3) can be documented, 4) can be replicated or elaborated, and 5) can be peer-reviewed through various methods.” The course will allow students to develop such a project in close advisement with a faculty mentor, and present their scholarship through a formal presentation and submitted paper, and a manuscript for publication or professional presentation. Prerequisite(s): NU 710.

M.S. in Nursing - Family and Community Nurse Practitioner

This CCNE accredited graduate track leads to the Master of Science in Nursing degree or a Post-Master’s Certificate, reflecting Husson’s ongoing commitment to educate nurses for the challenges of the 21st century. Graduates are eligible to sit for the ANCC or AANP Family Nurse Practitioner Certification Exam.

The FCNP Track offers both a hybrid (primarily on-line with minimal on-campus presence required) and distance education component for our students -- the “distance option” is especially attractive to students who live in different states or provinces. Both distance and hybrid education techniques consist of synchronous and asynchronous class sessions using on-line learning technologies, as well as clinical experiences located close to home.

**Track Outcomes**

Upon completion, graduates will be expected to:

- Provide primary health care to individuals of all ages and their families, within diverse practice settings.
- Utilize community assessment in evaluating patient needs and planning health care.
- Synthesize relevant theories and specialized knowledge into clinical practice.
- Analyze and apply research literature used for improving health outcomes of individuals and their families.
- Influence advanced practice by exhibiting competence in clinical practice, teaching, counseling, consultation, research, leadership and collaboration.
- Develop an integrated interprofessional approach in the delivery of comprehensive family health care.
- Contribute to the improvement of family health care by influencing health policy.
- Practice with personal integrity and a willingness to search for ethical truths in a constantly changing environment.
- Assume responsibility for continued professional growth and development.

**Professional Courses**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>NU 700</td>
<td>Theories and Roles for Advanced Nursing Practice</td>
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<td>NU 702</td>
<td>Advanced Pharmacotherapeutics</td>
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<td>NU 704</td>
<td>Advanced Health Assessment</td>
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<td>NU 706</td>
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NU 710  Nursing Research  3
IP 730  Interprofessional Collaboration in Rural Public Health  3
NU 740  Public Health Policy Issues and Challenges  3
NU 802  Family Health II – Adult Health (168 Internship Hours)  6
NU 806  Family Health IV – Integrating Primary Care (168 Internship Hours)  6
NU 807  Family Health I – Pediatrics (168 Internship Hours)  6
NU 808  Family Health III – Women’s Health (168 Internship Hours)  6
NU 841  Family and Community Nurse Practitioner Capstone  3

Total Hours  48

Courses
NU 100. Professional Concepts in Nursing. 3 Hours.
The major focus of this course is on preparing students for the rigorous nursing curriculum. Topics include the essence of baccalaureate nursing and the curriculum design. Also included are discussions aimed to enhance student success, including self-assessment and identification of learning styles. The major concepts of this nursing course will provide a framework for the individual’s program of study. They include, but are not limited to, critical thinking, the nursing process, teaching/learning, and an introduction to ethical and legal concerns in the nursing profession.

NU 208. Health Assessment. 4 Hours.
The emphasis of this course is on the health assessment of an adult. Evidence-based health promotion and disease prevention goals, risk assessment, and client education are highlighted. In the classroom and clinical laboratory, the student will learn to gather subjective and objective data about a client’s health status utilizing face-to-face interviews and physical examination techniques, as well as by making use of a digital clinical experience. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222.

NU 211. Nursing Intervention I. 3 Hours.
This course introduces concepts of patient care and basic nursing interventions used in caring for individuals throughout the lifespan. Learners will use the classroom and skills laboratory to gain beginning competence in nursing theory, nursing process, basic nursing skills, therapeutic communication, and critical thinking. Students will also develop an awareness of diverse cultural beliefs and values in relation to health care. A major focus will be on the nurse’s role in the safe delivery of care. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222 and SC 180 and SL 180 and NU 100 and (MS 141 or MS 180 or MS 181).

NU 212. Nursing Intervention II. 4 Hours.
This course is the second half of NU 211 and focuses on knowledge and skills that are fundamental to nursing care throughout the lifespan and regardless of disease entity. Using the classroom, lab, and clinical placements, learners will demonstrate competence in the application of the nursing process in the planning and delivery of nursing care. Themes of growth and development, cultural diversity, evidence-based practice, and critical thinking will be threaded throughout. Skills and knowledge learned in this course are foundational to learning throughout the rest of the curriculum. Prerequisite(s): NU 211.

NU 214. Pharmacology. 3 Hours.
This course builds upon students’ knowledge of anatomy, physiology, chemistry and the nursing process. It is designed to provide the knowledge required for the safe administration of drugs and teaching with patients across the life span. Actions, therapeutic uses, interactions and side effects of major drug classifications, as well as nursing responsibilities related to drug administration to patients across the life span are examined. Prerequisite(s): NU 211.

NU 299. Topic/. 1 Hour.
Selected topics in nursing are considered. The course enhances students’ knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 315. Child Health. 5 Hours.
This course addresses the care of ill children and their families. Adaptation theory will be used as the theoretical framework for nursing assessments, interventions, and evaluations. The nursing process is applied relative to this population. This course encompasses diagnostic and therapeutic techniques. Clinical opportunities are provided in the acute care setting. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234.

NU 320. Nursing Research. 3 Hours.
Students will understand the basic concepts, processes, and applications of quantitative and qualitative research. Students will analyze the role and implication of nursing research and research within other disciplines on the nursing profession. Prerequisite(s): MS 132.

NU 322. Adult/Family Health I. 5 Hours.
This course facilitates the integration of knowledge and skills acquired from previous courses. The emphasis is on understanding the nurse’s role in uncomplicated acute and chronic illness with predictable outcomes within changing practice environments across the spectrum of health and illness. In a learner-centered classroom and simulation environment, analytical and experiential learning activities are provided which encourage active participation in demonstrating clinical reasoning and judgment in meeting the health care needs of clients/family. The goal is for the learner to be able to approach client care conceptually, so that care is designed with a focus on prioritization and solid understanding of rationales. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 333 and SC 234.

NU 323. Adult/Family Health II. 5 Hours.
This course facilitates students’ integration of knowledge gained from previous courses, and expands students’ knowledge from previous learning experiences. Theoretical and conceptual models and related research provide the foundation for exploring health assessment and clinical practice skills. Analytical and experiential learning activities are provided which encourage active participation in demonstrating decision-making skills and judgment in meeting the health care needs of clients/family. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234 and NU 322.

NU 324. Maternal and Newborn Nursing. 5 Hours.
The focus of this course is the childbearing family. Concepts related to preconception issues, pregnancy, the fetus/newborn, and the post delivery family are presented. Physiologic, social, and cultural issues, as they relate to the childbearing family, are included. Clinical experiences occur in a variety of settings, including inpatient, educational, and community settings. Prerequisite(s): SC 233 and SC 234 and SC 241 and NU 208 and NU 211 and NU 212 and NU 214.
NU 412. Community Health. 5 Hours.
This course builds upon the student's broad base of knowledge in the natural and social sciences, humanities, and previous nursing content. Attention is directed toward assessment of biopsychosocial stressors of the individual, family, group, and community and their adaptation to changes in the environment. Prerequisite(s): NU 322 and NU 323 and NU 324 and NU 320 and NU 315.

NU 422. Community Mental Health. 5 Hours.
This course focuses on behaviors, which occur when individuals, families, and groups in the community are unable to cope effectively with acute and chronic biopsychosocial and cultural stressors. Relevant theories and theoretical formulations are used in order to promote an understanding of individual, family, group, and community dynamics. Within the framework of the nursing process, self-knowledge and intervention skills are developed which allow the student to assist individuals, families, and groups in their adaptation to internal and external stressors. Prerequisite(s): NU 320 and NU 322 and NU 323 and NU 324 and NU 315.

NU 424. Adult / Family Health III. 3 Hours.
This course is the last in a sequence of adult health. It is designed to integrate and expand previous learning, clinical and leadership experiences of the student. Students will participate in scenarios that require them to critically analyze and apply research, theories and educational models of teaching/learning processes. Clinical practice provides the opportunity to synthesize knowledge and demonstrate diagnostic reasoning, critical decision-making and delegation. Engaged ethical and clinical reasoning occurs with student’s involvement in the management of adult, family, and groups in complex clinical health care situations with expert nurse partners and faculty. This partnership creates a way to understand and guide analytical and experiential learning. These clinical partnerships take place in a variety of clinical settings. Prerequisite(s): NU 322 and NU 323.

NU 425. Nursing Senior Capstone. 1-2 Hour.
The capstone course is an opportunity for the student to demonstrate that he or she has achieved the terminal outcomes of the Husson/EMMC Baccalaureate Nursing Program. The capstone promotes connection between knowledge, skills, and attitudes learned in both general education and nursing courses. This course is student centered and student directed and will facilitate the graduate’s transition to the professional world. Prerequisite(s): NU 315 and NU 320 and NU 322 and NU 324.

NU 426. Policy Leadership and Management in Nursing. 3 Hours.
This course provides a conceptual and practical basis for examining professional nursing leadership roles. Emphasis is placed on accountability in regulated systems, management of complex organizations, and principles of advocacy aimed at the promotion of health and quality health systems. Prerequisite(s): College Level=Senior.

NU 431. Wound Management. 3 Hours.
Focus is on utilization of the Nursing Process in the provision of care to clients with chronic wounds. Emphasis is placed on client/family education and the use of evidence-based practice in wound management. Prerequisite(s): NU 208 and NU 212.

NU 432. Caring, Spirituality & Culture. 3 Hours.
This course is designed to provide the undergraduate nursing student with a working knowledge of how the concepts of caring, culture and spirituality influence health status and health related behaviors. The focus of the course is to explore these concepts, their meanings and implications, and to utilize the concepts when providing or planning holistic nursing care for diverse clients, families, groups, and communities.

NU 433. Gerontological Nursing. 3 Hours.
Course is to address the professional nursing role in providing and coordinating health care for the elderly population. Content provided is to address physical, emotional, social and spiritual needs of older adults. The nursing process will identify individual and family issues for professional nurse to serve as a conduit for skills and information to promote successful aging. Prerequisite(s): NU 208 and NU 212.

NU 435. History of Women’s Health. 3 Hours.
An elective course that explores the progression of the women’s health movement in the U.S. from the 1800’s to present day. Ideas about women’s bodies as an entity of wellness and illness in the context of medicine and the feminist movement will be discussed and researched in this seminar-type class. The student will gain an understanding of the struggles as well as the accomplishments of important historical figures and their concepts. Traditional women healers from lay to professional will be researched for an understanding of how women receive health care in 2008. Race, ethnicity, disability, sexuality and class will be examined looking at individual perspectives of health and care. Prerequisite(s): NU 208 and NU 212.

NU 441. Role Transition to BSN. 3 Hours.
In this course, students examine the transition of the Registered Nurse (RN) to the professional role of pursing an advanced degree at the baccalaureate or graduate level. As the entry course for the RN-to-BSN program, students are provided with networking and mentoring opportunities with peers and faculty. Professional bases for nursing practice, critical abilities for today’s professional nurse, and role of continuous quality improvement and safety in healthcare systems are explored. This course is offered in a hybrid format.

NU 442. Health Informatics & Technology. 3 Hours.
In this course, students explore the changing technology environment and its potential impact on the delivery of quality, safe patient care. The course combines knowledge of nursing, computers and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: (a) technology’s impact on nursing work flow, (b) legal and ethical considerations associated with select technology, and (c) the impact of technology on the changing role of the nurse. This course is offered in a hybrid format.

NU 443. Quality Improvement in Healthcare Systems. 3 Hours.
In this course, students are introduced to competencies necessary for studying clinical Microsystems and examining their influence on patient safety, satisfaction, and other clinical outcomes. Students will apply: (a) quality improvement assessment tools and models within a microsystem, (b) continuous quality improvement theory, (c) evidence-based practice, (d) performance improvement methods, and (e) the development of team-based problem solving and resolution. This course is offered in a hybrid format.
NU 444. BSN Capstone Practice (with 42 Practicum Hours). 3 Hours.
This is the culminating scholarly experience in the RN-to-BSN program of study. Students will focus on synthesis and integration of complex concepts relevant to their scope of practice, and leadership and management skills in complex organizational environments. Emphasis is placed on the application of leadership principles through an evidence-based capstone project. This course is offered in a hybrid format. Prerequisite(s): NU 441 and NU 442 and NU 443 and NU 706 and NU 710 and NU 740.

NU 499. Topics. 1-3 Hour.
Selected topics in nursing are considered. The course enhances students' knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 700. Theories and Roles for Advanced Nursing Practice. 3 Hours.
This course is designed to provide an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. The importance of the role of the Advanced Practice Nurse in Interprofessional Collaboration is also explored. Emphasis is placed on relevant historic, current and future practice issues inherent in the varied aspects of advanced practice nursing. The course also examines legislative issues and trends at both state and national levels, as they relate to the effective and appropriate role of advanced practice nurses within our rapidly changing healthcare system.

NU 701. Theories for Advanced Nursing Practice. 2 Hours.
This course provides an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. These theories reflect important contributions from both the nursing profession and non-nursing disciplines. The course provides a historical perspective and analysis of nursing theorists from Nightingale to emerging theorists and includes an introduction to theories fundamental to advanced practice nursing, such as role theory and family nursing theory.

NU 702. Advanced Pharmacotherapeutics. 3 Hours.
This course builds upon undergraduate understanding of pharmacological principles and agents by preparing students to evaluate and prescribe medications for common acute and chronic health problems seen in the primary care setting. Students will examine the regulatory aspects of drug administration and prescription from the perspective of advanced nursing practice. The focal point of the course will be the development of clinical decision-making skills essential to safe and effective pharmacologic intervention. Current concepts in pharmacologic therapies as part of the treatment of commonly encountered health problems will be stressed. The importance of collaboration between Advanced Practice Nurses and Pharmacy colleagues will be addressed, particularly in regard to patient safety and treatment efficacy. Prerequisite(s): NU 700 and NU 706.

NU 703. Roles for Advanced Nursing Practice. 2 Hours.
This course provides an in-depth analysis of the role of the advanced practice nurse. That knowledge is needed to conceptualize and identify with relevant historic, current and future practice issues inherent in the role. Both state and national legislation and trends are addressed, as they relate to the effective and appropriate use of advanced practice nurses within the rapidly changing healthcare system.

NU 704. Advanced Health Assessment. 3 Hours.
The focus of this course is the assessment of total health status of adult patients. The course is designed to enable the student to develop diagnostic reasoning skills and to utilize a regional approach to physical examination. Instruction builds upon the health assessment skills of the experienced RN/BSN and includes a laboratory practicum that provides the student with opportunities to apply new knowledge and practice in the areas of physical examination. Students will perform complete physical exams on each other and standardized patients – obtaining health histories, performing physical examinations and documenting findings. Along the way, students will learn more about the importance of providing high-quality care that is culturally competent, the process of developing a list of Differential Diagnoses and appropriate ordering of diagnostics. Prerequisite(s): NU 700 and NU 706.

NU 705. Advanced Psychopharmacology. 3 Hours.
This course reviews the application of pharmacotherapeutic principles to psychiatric disorders across the lifespan. Major class of medications include antidepressants, mood stabilizers, psychostimulants, antipsychotic medications, anxiolytics and off label use. Students review in detail the indications, contraindications, side effects and adverse reactions and drug interactions. In addition, the course addresses the use of herbal remedies, homeopathy and diet. The course places special emphasis on the applications of psychopharmacology to clinical case studies across the lifespan, including children, adolescents, adults, and geriatric populations. Prerequisite(s): NU 700 and NU 702 and NU 706 and NU 707.

NU 706. Advanced Pathophysiology. 3 Hours.
This course examines the reaction of the body to disease throughout the lifespan. Using a conceptual approach that is designed to integrate knowledge from basic and clinical sciences, it focuses on alterations in biological processes which affect the body’s dynamic equilibrium. Alterations at the cellular and organ level are presented and include genetic, metabolic, infectious, immunologic, degenerative, and neoplastic processes. Clinical problems will be developed and explored to facilitate the acquisition of critical thinking, problem-solving and evaluation skills needed by practitioners in the management of clients with chronic and acute health problems.

NU 707. Neurobiology. 3 Hours.
This course focuses on the study of brain, mind and behavior and examines the neuroanatomical, neurophysiological, and biochemical foundations of cognition, mood, emotion, affect, and behavior and the interactions among them. It takes into consideration both internal and external influences across a person’s life span. Included is an overview of brain functioning and mechanisms of neurotransmission, genetics, the effects of other body systems such as the endocrine and immune systems, temperament, and the environment. Prerequisite(s): NU 706.

NU 710. Nursing Research. 3 Hours.
This course explores the principles and uses of the research process in Advanced Practice Nursing. The graduate nursing student will become an active participant in the research experience and be prepared to develop, write and present a research proposal. Content will focus on evidence-based practice, understanding the role of a nurse practitioner as researcher, and the development of a research proposal that will be the foundation and beginning process of their scholarly project. Students are strongly encouraged to develop a proposal that includes interprofessional collaboration. Prerequisite(s): NU 700.
NU 722. Adv Mental Hlth Asmt Across the Lifespan (168 Clinical Hrs). 5 Hours.
This course is designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 740. Public Health Policy Issues and Challenges. 3 Hours.
This course is designed to provide the graduate student with an opportunity to explore and evaluate the political process, fiscal policies, and their impact on public health and the health care system. The use of sociopolitical and ethical frameworks are interwoven with policy development. Opportunities are provided for students to critique public policy and determine how the behavior of health professional’s impact governmental decisions and regulatory processes. Students will explore legislative processes, state/federal policies, and analyze current legislative and policy issues.

NU 799. Special Topics in Nursing. 1-3 Hour.
Selected topics in nursing are offered under the guidance of graduate faculty. The course enhances students knowledge of advanced practice nursing, building on previous knowledge of nursing and healthcare in today’s complex and rapidly changing healthcare system. This course may be used as an elective in the student’s program of study and may be taken more than once as long as different topics are taken.

NU 801. Adv Mntl Hlth Assmt Across the Lifespan(168 Clinical Hrs). 5 Hours.
NU 801 is a hybrid course designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 802. Family Health II -- Adult-Gero Health (168 Internship Hrs). 6 Hours.
This course explores relevant practice issues in the health care of adults and families. Primary focus is on the assessment of acute and chronic health problems experienced by this population, as well as health promotion/disease prevention activities. The precepted internship experience gives students an opportunity to provide primary care to adults of any age. In the course, students continue to further explore the interprofessional collaborative role in both the classroom and clinical setting. Prerequisite(s): NU 700 and NU 702 and NU 704.

NU 806. Family Health IV-Integrating Primary Care (168 Intern. Hrs.), 6 Hours.
This is the culminating internship course in the program. The focus is on synthesizing the knowledge and clinical management skills from previous courses in preparation for the transition from graduate student to novice nurse practitioner. The course emphasizes the importance of integrating patient care by collaborating with other healthcare providers particularly in regard to improving patient safety and health outcomes. Students take part in seminars that allow them to thoroughly explore both clinical and non-clinical issues frequently noted in primary care. At the same time, students become familiar with the newest clinical guidelines for disorders most commonly seen in primary care. Information is provided and discussed in four on-campus/virtual sessions, weekly Journal Club requirements and will culminate with the presentation of Capstone projects. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 802 and NU 807 and NU 808.

NU 807. Family Health I -- Pediatrics (168 Internship Hours). 6 Hours.
The focus of this course explores theories and the practice of health care for children from infancy through adolescence within a context of family health care. The course will focus on health promotion and acute and chronic illness conditions experienced by these childbearing and childrearing families. This course will focus on health-illness issues experienced by this population in underserved rural and urban areas. The clinical practicum experience will present the advanced practice nursing student with clinical experience in assessing, planning, and managing care for families in these age groups at a variety of clinical sites. Opportunities will be available in both the classroom and clinical setting to further explore the role inherent to the advanced practice nurse who provides primary health care to these clients. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 808. Family Health III -- Women's Health (168 Internship Hours). 6 Hours.
This course explores the theories and practice of healthcare for women within the context of the family. It also focuses on health promotion and acute or chronic illness that may be experienced particularly by childbearing families. The internship will present the family nurse practitioner student with precepted experiential learning in assessing, planning and managing women’s health from a primary care perspective. Particular emphasis will be placed on the importance of collaborating with other health care professionals in order to achieve patient safety and optimal health outcomes. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 809. Adv Women's Health Assessment II (w/168 Intern Hrs). 6 Hours.
Building on previous study in women’s health, students begin to critically examine and address concepts and research related to issues of women from adolescence to menopause. This course focuses on the advanced practice nursing knowledge necessary for the comprehensive assessment and health management of individuals and families during the childbearing years. Particular attention will be paid to the pre-, ante- and post-natal periods. Concepts include human sexuality, disease prevention, pregnancy/childbirth and urogynecological issues as well as the social and political determinants of health. Prerequisite(s): NU 808.
NU 810. Family Psychiatric Nursing I (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner's role in the delivery of mental health care for mentally ill individuals and families across the lifespan. Students examine the theories relevant to family therapy and individual psychotherapy, as well as psychopharmacological and alternative treatments. Practicum experiences focus on student application of family interventions and therapy as well as individual interventions and psychotherapy in acute and chronic care settings. Populations include children, adolescents, adults, and geriatric individuals. Prerequisite(s): NU 702 and NU 705 and NU 710 and NU 722.

NU 811. Women's Health Iss - A Public Health Approach to Care & Pol. 3 Hours.
Consistent with the emerging definitions of women's health and women's health practice, this course examines a full range of health issues unique to women. Women's health specialization includes prevention, the societal and political determinants of health, patient education and reconceptualization of women's relationships with health care providers. Health assessment and maintenance as well as disease identification and treatment will be presented on a wellness to illness continuum. Students develop a woman-centered holistic approach to care--the central concept in women's health nursing practice.

NU 812. Family Psychiatric Nursing II (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner's role in the delivery of primary mental health care across the lifespan. The course emphasizes promoting optimum mental health, preventing mental illness, health maintenance, and preventing new occurrences of mental illness. Students examine theories relevant to group therapy interventions and consultation, as well as psychopharmacological and alternative treatments. The advanced practice nursing student will develop interventions and programs that reduce stressors and maximize mental health for individuals of all ages and communities. Prerequisite(s): NU 810.

NU 813. Advanced Women's Health Assessment III (w/168 Intern Hrs). 6 Hours.
Students in this course will examine the unique issues and needs of the peri- and post-menopausal woman. There will be significant focus on the issues of healthy aging, sexuality, urogynecologic and hormonal changes affecting women as they move beyond the childbearing years. Prerequisite(s): NU 808 and NU 809.

NU 814. Family Psychiatric Nursing III (210 Clinical Hours). 6 Hours.
In this course, the psychiatric nurse practitioner's role is further developed as the learner integrates psychiatric theory and practice skills while intervening with the chronically mentally ill in rural settings. Emphasis is on integration of psychotherapeutic, pharmacological, alternative therapeutic approaches, including crisis intervention and case management. During the practicum experiences, students coordinate care and advocate for special populations of individuals, families, and groups across the lifespan. Prerequisite(s): NU 812.

NU 816. Psychiatric NP Internship/Practicum. 3 Hours.
Class - 1.5 Credits, Clinical - 9 Hours/Week (Total 126 Hours) This is an intensive clinical internship that prepares students to practice in the role of a psychiatric nurse practitioner. Building on biopsychosocial theories, the student will deliver comprehensive holistic primary mental health care to clients. Students will conduct comprehensive assessment, including diagnosis of and referral for physical health problems. Additionally, clinical experiences will include ordering and interpreting laboratory and diagnostic studies. Comprehensive medication management of psychiatric clients will include an in-depth knowledge of psychotropic medications, acceptable prescribing practices and monitoring for side effects and efficacy. Students will present case studies with decision-making trees during seminars to explore relevant clinical and non-clinical issues. Prerequisite(s): NU 702 and NU 704 and NU 706.

NU 818. Family Psychiatric Nurse Practitioner Practicum. 2 Hours.
This is an intensive clinical internship that prepares students to practice in the role of a family psychiatric nurse practitioner. It will broaden the depth of content and practice that students have already assimilated in the areas of child and adolescent psychotherapy and psychopharmacology. Building on biopsychosocial theories, the student will deliver holistic primary mental health care to clients. Students will conduct comprehensive assessments, including diagnosis of and referral for physical health problems. Clinical experiences will be on therapeutic treatment modalities and interventions with children and adolescents, including therapy and psychopharmacology. Therapy content will cover a range of therapeutic interventions from analytical to behavioral, family, individual and group and long term to brief therapy. Psychopharmacological content will include ordering and interpreting laboratory and diagnostic studies, in-depth knowledge of psychotropic medications, acceptable prescribing practices, monitoring for side effects and efficacy, risk verses benefit and an understanding of normal growth and development and what constitutes psychopathology. Students will present case studies with decision-making trees during seminars to explore relevant clinical and nonclinical issues.

NU 830. Teaching Learning Theories & Strategies in Health Education. 3 Hours.
This course focuses on the theoretical foundations and strategies of teaching and learning in health education. The graduate health student will explore the various learning theories and pedagogical frameworks that guide the selection of instructional and learning strategies essential for both faculty and students. Content will be delivered using a variety of methodologies - classroom, multi-media on-line and on-line blog-type discussion format. Course participants will identify the differences and similarities in the learning theories specific to basic procedures of learning, assumptions made about such learning, the role of the educator, various sources of motivation to learn, and methods by which the transfer of learning is accomplished. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.

NU 832. Curriculum Development in Nursing Education. 3 Hours.
This course focuses on curriculum development that reflects contemporary health care trends and prepares graduates to function effectively within the context of continuously evolving nursing, health care and educational systems. In this course the graduate nursing student will design a curriculum that reflects institutional philosophy and mission, current nursing and health care trends, and community and societal needs so as to prepare nurses for practice in a complex, dynamic, multicultural health care environment. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.
NU 834. Assessment and Evaluation in Nursing Education. 3 Hours.
This course is designed to introduce learning evaluation concepts, including test and measurement, at the didactic, clinical, and programmatic levels. Course content will include strategies to assess and evaluate learning in the cognitive, psychomotor, and affective domains. Quality improvement, as well as legal and ethical considerations is explored within these concepts. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 740 and NU 710 and NU 730.

NU 836. Informatics and Technology in Health Education. 3 Hours.
The 3 credit course will explore the changing technology environment and its potential to impact on the delivery of quality, safe patient care. Infusing technology into educational programs is vital in preparing students to understand and meet the demands of caring for today’s patient populations. The course facilitates and enhances healthcare student’s knowledge, skills, and abilities to apply meaningful use of technology within their respective program of study. Focus will combine knowledge of healthcare professional, computers, social media, and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: technology’s impact on health profession work flow, legal, ethical and security considerations associated with select technology, and the impact of technology on the changing roles in healthcare will be discussed as they apply to clinical and consumer information technologies.

NU 838. Internship/Clinical Practicum in Nursing Education. 2-4 Hours.
This is the capstone clinical course in the nurse educator track. It involves the synthesis, refinement, and application of nursing, education, and evaluation theory in a variety of educational settings and integrated seminars. The bi-weekly seminars are framed within the context of established nurse educator scope of practice (NLN, 2005) and competencies (Council on Collegiate Education for Nursing, 2002; NLN, 2005) and students apply these in a variety of diverse academic and clinical settings under expert preceptor guidance. Graduate nursing students will create and share comprehensive portfolios demonstrating their ability to plan, deliver, assess and refine effective professional education offerings in varied settings with diverse learners. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740 and NU 830 and NU 832 and NU 834 and NU 836.

NU 840. Nurse Educator Capstone. 1-3 Hour.
This is the culminating scholarly experience in the master’s program. Graduate nursing students will demonstrate mastery of one particular subject area in their specialty track by developing a scholarly project including an evidence-based review of that topic. The Department of Nursing relies upon the definition of scholarly work provided in the American Association of Colleges of Nursing’s Position Statement on Defining Scholarship for the Discipline of Nursing (1999) that include significance to the profession, creativity, documentation, replication and peer review. The course allows students to develop such a project in close advisement with a faculty mentor(s) and to present that scholarship through a formal presentation, submitted paper, and a manuscript for publication or professional presentation. Prerequisite(s): NU 710.

M.S. in Nursing - Family Psychiatric Mental Health Nurse Practitioner

MS in Nursing – Family Psychiatric Mental Health Nurse Practitioner (Across the Lifespan)

This CCNE accredited track leads to the Master of Science in Nursing degree or a Post-Master’s Certificate. This track reflects Husson University’s on-going commitment to educate advanced practice nurses for the challenges of the new millennium, with a purpose of improving cost-effect access to mental health care across the lifespan – including children, adolescents, adults and the elderly – with a particular focus on underserved populations. The biopsychosocial orientation to mental illness enables the student to develop the theoretical and research foundations of practice that emphasize the integration of both neurobiological and psychosocial sciences. Husson now has begun offering all graduate programming on-line with an on-campus requirement of ~ one week/year of study (usually in May).

Graduates of this program are eligible to sit for the Family Psychiatric Nurse Practitioner ANCC Certification Examination.

Program Requirements
NU 700. Theories and Roles for Advanced Nursing Practice 3
NU 702. Advanced Pharmacotherapeutics 3
NU 704. Advanced Health Assessment 3
NU 705. Advanced Psychopharmacology 3
NU 706. Advanced Pathophysiology 3
NU 707. Neurobiology 3
NU 710. Nursing Research 3
NU 722. Advanced Mental Health Assessment Across the Lifespan (168 Clinical Hours) 5
NU 740. Public Health Policy Issues and Challenges 3
NU 810. Family Psychiatric Nursing I (210 Clinical Hours) 6
NU 812. Family Psychiatric Nursing II (210 Clinical Hours) 6
NU 814. Family Psychiatric Nursing III (210 Clinical Hours) 6

Family Psychiatric Mental Health Nurse Practitioner I (180 Clinical Hours) 18
Family Psychiatric Nurse Practitioner Capstone
Student may take this course multiple times to gain a total of 3 credits.

Total Hours 50

**NU Courses**

**NU 208. Clinical: Health Assessment. 0 Hours.**

**NU 211. Clinical: Nursing Interven I. 0 Hours.**

**NU 212. Clinical: Nursing Interven II. 0 Hours.**

**NU 315. Clinical: Child Health. 0 Hours.**

**NU 322. Clinical: Adult/Family Hlth I. 0 Hours.**

**NU 323. Clinical: Adult/Family Hlth II. 0 Hours.**

**NU 324. Clinical: Maternal and Newborn Nursing. 0 Hours.**

**NU 412. Clinical: Community Health. 0 Hours.**

**NU 422. Clinical: Comm Mental Health. 0 Hours.**

**NU 427. Senior Practicum. 4 Hours.**

Senior Practicum is a preceptorship experience for senior nursing students at an assigned healthcare setting. The preceptorship experience is based on the model from the National Council State Board of Nursing Transitions to Practice to so as to help students prepare for the transition to professional practice. Prerequisite(s): NU 315 and NU 323 and NU 324 and College Level = Senior.

**NU 499. Clinical*. 0 Hours.**

**NU 722. Clinical: Adv Mental Hlth. 0 Hours.**

**NU 810. Clinical: Psychiatric Nursing I. 0 Hours.**

**NU 812. Clinical: Psych Nursing II. 0 Hours.**

**NU 814. Clinical: Psych Nursing III. 0 Hours.**

**NU 815. Women’s Health NP - Final Practicum (352 Hours). 6 Hours.**

Students will apply advanced knowledge of normal physiology, pathophysiology and psychosocial concepts to the care of women in an experiential setting, functioning in the women’s health nurse practitioner role. The focus is on the synthesis of theory, knowledge and skills from previous courses. Prerequisite(s): NU 808 and NU 809 and NU 811 and NU 813.

**NU 816. Clinical: Psychiatric NP Internship/Practicum. 0 Hours.**

**NU 818. Family Psychiatric Nurse Practitioner Practicum. 1 Hour.**

This is an intensive clinical internship that prepares students to practice in the role of a family psychiatric nurse practitioner. It will broaden the depth of content and practice that students have already assimilated in the areas of child and adolescent psychotherapy and psychopharmacology. Building on biopsychosocial theories, the student will deliver holistic primary mental health care to clients. Students will conduct comprehensive assessments, including diagnosis of and referral for physical health problems. Clinical experiences will be on therapeutic treatment modalities and interventions with children and adolescents, including therapy and psychopharmacology. Therapy content will cover a range of therapeutic interventions from analytical to behavioral, family, individual and group and long term to brief therapy. Psychopharmacological content will include ordering and interpreting laboratory and diagnostic studies, in-depth knowledge of psychotropic medications, acceptable prescribing practices, monitoring for side effects and efficacy, risk verses benefit and an understanding of normal growth and development and what constitutes psychopathology. Students will present case studies with decision-making trees during seminars to explore relevant clinical and nonclinical issues.
NU 214. Pharmacology. 3 Hours.
This course builds upon students’ knowledge of anatomy, physiology, chemistry and the nursing process. It is designed to provide the knowledge required for the safe administration of drugs and teaching with patients across the life span. Actions, therapeutic uses, interactions and side effects of major drug classifications, as well as nursing responsibilities related to drug administration to patients across the life span are examined. Prerequisite(s): NU 211.

NU 299. Topic/. 1 Hour.
Selected topics in nursing are considered. The course enhances students’ knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 315. Child Health. 5 Hours.
This course addresses the care of ill children and their families. Adaptation theory will be used as the theoretical framework for nursing assessments, interventions, and evaluations. The nursing process is applied relative to this population. This course encompasses diagnostic and therapeutic techniques. Clinical opportunities are provided in the acute care setting. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234.

NU 320. Nursing Research. 3 Hours.
Students will understand the basic concepts, processes, and applications of quantitative and qualitative research. Students will analyze the role and implication of nursing research and research within other disciplines on the nursing profession. Prerequisite(s): MS 132.

NU 322. Adult/Family Health I. 5 Hours.
This course facilitates the integration of knowledge and skills acquired from previous courses. The emphasis is on understanding the nurse’s role in uncomplicated acute and chronic illness with predictable outcomes within changing practice environments across the spectrum of health and illness. In a learner-centered classroom and simulation environment, analytical and experiential learning activities are provided which encourage active participation in demonstrating clinical reasoning and judgment in meeting the health care needs of clients/family. The goal is for the learner to be able to approach client care conceptually, so that care is designed with a focus on prioritization and solid understanding of rationales. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 333 and SC 234.

NU 323. Adult/Family Health II. 5 Hours.
This course facilitates students’ integration of knowledge gained from previous courses, and expands students’ knowledge from previous learning experiences. Theoretical and conceptual models and related research provide the foundation for expanding health assessment and clinical practice skills. Analytical and experiential learning activities are provided which encourage active participation in demonstrating decision-making skills and judgment in meeting the health care needs of clients/family. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234 and NU 322.

NU 324. Maternal and Newborn Nursing. 5 Hours.
The focus of this course is the childbearing family. Concepts related to pre-pregnancy issues, pregnancy, the fetus/newborn, and the post delivery family are presented. Physiologic, social, and cultural issues, as they relate to the childbearing family, are included. Clinical experiences occur in a variety of settings, including inpatient, educational, and community settings. Prerequisite(s): SC 233 and SC 234 and SC 241 and NU 208 and NU 211 and NU 212 and NU 214.

NU 412. Community Health. 5 Hours.
This course builds upon the student’s broad base of knowledge in the natural and social sciences, humanities, and previous nursing content. Attention is directed toward assessment of biopsychosocial stressors of the individual, family, group, and community and their adaptation to changes in the environment. Prerequisite(s): NU 322 and NU 323 and NU 324 and NU 320 and NU 315.

NU 422. Community Mental Health. 5 Hours.
This course focuses on behaviors, which occur when individuals, families, and groups in the community are unable to cope effectively with acute and chronic biopsychosocial and cultural stressors. Relevant theories and theoretical formulations are used in order to promote an understanding of individual, family, group, and community dynamics. Within the framework of the nursing process, self-knowledge and intervention skills are developed which allow the student to assist individuals, families, and groups in their adaptation to internal and external stressors. Prerequisite(s): NU 320 and NU 322 and NU 323 and NU 324 and NU 315.

NU 424. Adult / Family Health III. 3 Hours.
This course is the last in a sequence of adult health. It is designed to integrate and expand previous learning, clinical and leadership experiences of the student. Students will participate in scenarios that require them to critically analyze and apply research, theories and educational models of teaching/learning processes. Clinical practice provides the opportunity to synthesize knowledge and demonstrate diagnostic reasoning, critical decision-making and delegation. Engaged ethical and clinical reasoning occurs with student’s involvement in the management of adult, family, and groups in complex clinical health care situations with expert nurse partners and faculty. This partnership creates a way to understand and guide analytical and experiential learning. These clinical partnerships take place in a variety of clinical settings. Prerequisite(s): NU 322 and NU 323.

NU 425. Nursing Senior Capstone. 1-2 Hour.
The capstone course is an opportunity for the student to demonstrate that he or she has achieved the terminal outcomes of the Husson/EMMC Baccalaureate Nursing Program. The capstone promotes connection between knowledge, skills, and attitudes learned in both general education and nursing courses. This course is student centered and student directed and will facilitate the graduate’s transition to the professional world. Prerequisite(s): NU 315 and NU 320 and NU 322 and NU 324.

NU 426. Policy Leadership and Management in Nursing. 3 Hours.
This course provides a conceptual and practical basis for examining professional nursing leadership roles. Emphasis is placed on accountability in regulated systems, management of complex organizations, and principles of advocacy aimed at the promotion of health and quality health systems. Prerequisite(s): College Level=Senior.

NU 431. Wound Management. 3 Hours.
Focus is on utilization of the Nursing Process in the provision of care to clients with chronic wounds. Emphasis is placed on client/family education and the use of evidence-based practice in wound management. Prerequisite(s): NU 208 and NU 212.
NU 432. Caring, Spirituality & Culture. 3 Hours.
This course is designed to provide the undergraduate nursing student with a working knowledge of how the concepts of caring, culture and spirituality influence health status and health related behaviors. The focus of the course is to explore these concepts, their meanings and implications, and to utilize the concepts when providing or planning holistic nursing care for diverse clients, families, groups, and communities.

NU 433. Gerontological Nursing. 3 Hours.
Course is to address the professional nursing role in providing and coordinating health care for the elderly population. Content provided is to address physical, emotional, social and spiritual needs of older adults. The nursing process will identify individual and family issues for professional nurse to serve as a conduit for skills and information to promote successful aging. Prerequisite(s): NU 208 and NU 212.

NU 435. History of Women's Health. 3 Hours.
An elective course that explores the progression of the women’s health movement in the U.S. from the 1800’s to present day. Ideas about women’s bodies as an entity of wellness and illness in the context of medicine and the feminist movement will be discussed and researched in this seminar-type class. The student will gain an understanding of the struggles as well as the accomplishments of important historical figures and their concepts. Traditional women healers from lay to professional will be researched for an understanding of how women receive health care in 2008. Race, ethnicity, disability, sexuality and class will be examined looking at individual perspectives of health and care. Prerequisite(s): NU 208 and NU 212.

NU 441. Role Transition to BSN. 3 Hours.
In this course, students examine the transition of the Registered Nurse (RN) to the professional role of pursuing an advanced degree at the baccalaureate or graduate level. As the entry course for the RN-to-BSN program, students are provided with networking and mentoring opportunities with peers and faculty. Professional bases for nursing practice, critical abilities for today’s professional nurse, and role of continuous quality improvement and safety in healthcare systems are explored. This course is offered in a hybrid format.

NU 442. Health Informatics & Technology. 3 Hours.
In this course, students explore the changing technology environment and its potential impact on the delivery of quality, safe patient care. The course combines knowledge of nursing, computers and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: (a) technology’s impact on nursing work flow, (b) legal and ethical considerations associated with select technology, and (c) the impact of technology on the changing role of the nurse. This course is offered in a hybrid format.

NU 443. Quality Improvement in Healthcare Systems. 3 Hours.
In this course, students are introduced to competencies necessary for studying clinical Microsystems and examining their influence on patient safety, satisfaction, and other clinical outcomes. Students will apply: (a) quality improvement assessment tools and models within a microsystem, (b) continuous quality improvement theory, (c) evidence-based practice, (d) performance improvement methods, and (e) the development of team-based problem solving and resolution. This course is offered in a hybrid format.

NU 444. BSN Capstone Practice (with 42 Practicum Hours). 3 Hours.
This is the culminating scholarly experience in the RN-to-BSN program of study. Students will focus on synthesis and integration of complex concepts relevant to their scope of practice, and leadership and management skills in complex organizational environments. Emphasis is placed on the application of leadership principles through an evidence-based capstone project. This course is offered in a hybrid format. Prerequisite(s): NU 441 and NU 442 and NU 443 and NU 706 and NU 710 and NU 740.

NU 449. Topic/. 1-3 Hour.
Selected topics in nursing are considered. The course enhances students’ knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 700. Theories and Roles for Advanced Nursing Practice. 3 Hours.
This course is designed to provide an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. The importance of the role of the Advanced Practice Nurse in Interprofessional Collaboration is also explored. Emphasis is placed on the relevant historic, current and future practice issues inherent in the varied aspects of advanced practice nursing. The course also examines legislative issues and trends at both state and national levels, as they relate to the effective and appropriate role of advanced practice nurses within our rapidly changing healthcare system.

NU 701. Theories for Advanced Nursing Practice. 2 Hours.
This course provides an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. These theories reflect important contributions from both the nursing profession and non-nursing disciplines. The course provides a historical perspective and analysis of nursing theorists from Nightingale to emerging theorists and includes an introduction to theories fundamental to advanced practice nursing, such as role theory and family nursing theory.

NU 702. Advanced Pharmacotherapeutics. 3 Hours.
This course builds upon undergraduate understanding of pharmacological principles and agents by preparing students to evaluate and prescribe medications for common acute and chronic health problems seen in the primary care setting. Students will examine the regulatory aspects of drug administration and prescription from the perspective of advanced nursing practice. The focal point of the class will be the development of clinical decision-making skills essential to safe and effective pharmacologic intervention. Current concepts in pharmacologic therapies as part of the treatment of commonly encountered health problems will be stressed. The importance of collaboration between Advanced Practice Nurses and Pharmacy colleagues will be addressed, particularly in regard to patient safety and treatment efficacy. Prerequisite(s): NU 700 and NU 706.

NU 703. Roles for Advanced Nursing Practice. 2 Hours.
This course provides an in-depth analysis of the role of the advanced practice nurse. That knowledge is needed to conceptualize and identify with relevant historic, current and future practice issues inherent in the role. Both state and national legislation and trends are addressed, as they relate to the effective and appropriate use of advanced practice nurses within the rapidly changing healthcare system.
NU 704. Advanced Health Assessment. 3 Hours.
The focus of this course is the assessment of total health status of adult patients. The course is designed to enable the student to develop diagnostic reasoning skills and to utilize a regional approach to physical examination. Instruction builds upon the health assessment skills of the experienced RN/BSN and includes a laboratory practicum that provides the student with opportunities to apply new knowledge and practice in the areas of physical examination. Students will perform complete physical exams on each other and standardized patients – obtaining health histories, performing physical examinations and documenting findings. Along the way, students will learn more about the importance of providing high-quality care that is culturally competent, the process of developing a list of Differential Diagnoses and appropriate ordering of diagnostics. Prerequisite(s): NU 700 and NU 706.

NU 705. Advanced Psychopharmacology. 3 Hours.
This course reviews the application of pharmacotherapeutic principles to psychiatric disorders across the lifespan. Major class of medications include antidepressants, mood stabilizers, psychostimulants, antipsychotic medications, anxiolytics and off label use. Students review in detail the indications, contraindications, side effects and adverse reactions and drug interactions. In addition, the course addresses the use of herbal remedies, homeopathy and diet. The course places special emphasis on the applications of psychopharmacology to clinical case studies across the lifespan, including children, adolescents, adults, and geriatric populations. Prerequisite(s): NU 700 and NU 702 and NU 706 and NU 707.

NU 706. Advanced Pathophysiology. 3 Hours.
This course examines the reaction of the body to disease throughout the lifespan. Using a conceptual approach that is designed to integrate knowledge from basic and clinical sciences, it focuses on alterations in biological processes which affect the body’s dynamic equilibrium. Alterations at the cellular and organ level are presented and include genetic, metabolic, infectious, immunologic, degenerative, and neoplastic processes. Clinical problems will be developed and explored to facilitate the acquisition of critical thinking, problem-solving and evaluation skills needed by practitioners in the management of clients with chronic and acute health problems.

NU 707. Neurobiology. 3 Hours.
This course focuses on the study of brain, mind and behavior and examines the neuroanatomical, neurophysiological, and biochemical foundations of cognition, mood, emotion, affect, and behavior and the interactions among them. It takes into consideration both internal and external influences across a person’s life span. Included is an overview of brain functioning and mechanisms of neurotransmission, genetics, the effects of other body systems such as the endocrine and immune systems, temperament, and the environment. Prerequisite(s): NU 706.

NU 710. Nursing Research. 3 Hours.
This course explores the principles and uses of the research process in Advanced Practice Nursing. The graduate nursing student will become an active participant in the research experience and be prepared to develop, write and present a research proposal. Content will focus on evidence-based practice, understanding the role of a nurse practitioner as researcher, and the development of a research proposal that will be the foundation and beginning process of their scholarly project. Students are strongly encouraged to develop a proposal that includes interprofessional collaboration. Prerequisite(s): NU 700.

NU 722. Adv Mntl Hlth Asmt Across the Lifespan (168 Clinical Hrs). 5 Hours.
This course is designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 740. Public Health Policy Issues and Challenges. 3 Hours.
This course is designed to provide the graduate student with an opportunity to explore and evaluate the political process, fiscal policies, and their impact on public health and the health care system. The use of sociopolitical and ethical frameworks are interwoven with policy development. Opportunities are provided for students to critique public policy and determine how the behavior of health professional’s impact governmental decisions and regulatory processes. Students will explore legislative processes, state/federal policies, and analyze current legislative and policy issues.

NU 799. Special Topics in Nursing. 1-3 Hour.
Selected topics in nursing are offered under the guidance of graduate faculty. The course enhances students knowledge of advanced practice nursing, building on previous knowledge of nursing and healthcare in today’s complex and rapidly changing healthcare system. This course may be used as an elective in the student’s program of study and may be taken more than once as long as different topics are taken.

NU 801. Adv Mntl Hlth Assmt Across the Lifespan(168 Clinical Hrs). 5 Hours.
NU 801 is a hybrid course designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 802. Family Health II -- Adult-Gero Health (168 Internship Hours). 6 Hours.
This course explores relevant practice issues in the health care of adults and families. Primary focus is on the assessment of acute and chronic health problems experienced by this population, as well as health promotion/disease prevention activities. The precepted internship experience gives students an opportunity to provide primary care to adults of any age. In the course, students continue to further explore the interprofessional collaborative role in both the classroom and clinical setting. Prerequisite(s): NU 700 and NU 702 and NU 704.
NU 806. Family Health IV--Integrating Primary Care (168 Intern. Hrs.). 6 Hours.
This is the culminating internship course in the program. The focus is on synthesizing the knowledge and clinical management skills from previous courses in preparation for the transition from graduate student to novice nurse practitioner. The course emphasizes the importance of integrating patient care by collaborating with other healthcare providers particularly in regard to improving patient safety and health outcomes. Students take part in seminars that allow them to thoroughly explore both clinical and non-clinical issues frequently noted in primary care. At the same time, students become familiar with the newest clinical guidelines for disorders most commonly seen in primary care. Information is provided and discussed in four on-campus/virtual sessions, weekly Journal Club requirements and will culminate with the presentation of Capstone projects. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 802 and NU 807 and NU 808.

NU 807. Family Health I -- Pediatrics (168 Internship Hours). 6 Hours.
The focus of this course explores theories and the practice of health care for children from infancy through adolescence within a context of family health care. The course will focus on health promotion and acute and chronic illness conditions experienced by these childbearing and childrearing families. This course will focus on health issues experienced by this population in underserved rural and urban areas. The clinical practicum experience will present the advanced practice nursing student with clinical experience in assessing, planning, and managing care for families in these age groups at a variety of clinical sites. Opportunities will be available in both the classroom and clinical setting to further explore the roles inherent to the advanced practice nurse who provides primary health care to these clients. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 808. Family Health III -- Women's Health (168 Internship Hours). 6 Hours.
This course explores the theories and practice of healthcare for women within the context of the family. It also focuses on health promotion and acute or chronic illness that may be experienced particularly by childbearing families. The internship will present the family nurse practitioner student with precepted experiential learning in assessing, planning, and managing women's health from a primary care perspective. Particular emphasis will be placed on the importance of collaborating with other health care professionals in order to achieve patient safety and optimal health outcomes. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 809. Adv Women's Health Assessment II (w/168 Intern Hrs.). 6 Hours.
Building on previous study in women's health, students begin to critically examine and address concepts and research related to issues of women from adolescence to menopause. This course focuses on the advanced practice nursing knowledge necessary for the comprehensive assessment and health management of individuals and families during the childbearing years. Particular attention will be paid to the pre-, ante- and post-natal periods. Concepts include human sexuality, disease prevention, pregnancy/childbirth and urogynecological issues as well as the social and political determinants of health. Prerequisite(s): NU 808.

NU 810. Family Psychiatric Nursing I (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner's role in the delivery of mental health care for mentally ill individuals and families across the lifespan. Students examine the theories relevant to family therapy and individual psychotherapy, as well as psychopharmacological and alternative treatments. Practicum experiences focus on student application of family interventions and therapy as well as individual interventions and psychotherapy in acute and chronic care settings. Populations include children, adolescents, adults, and geriatric individuals. Prerequisite(s): NU 702 and NU 705 and NU 710 and NU 722.

NU 811. Women's Health Iss - A Public Health Approach to Care & Pol. 3 Hours.
Consistent with the emerging definitions of women's health and women's health practice, this course examines a full range of health issues unique to women. Women's health specialization includes prevention, the societal and political determinants of health, patient education and reconceptualization of women's relationships with health care providers. Health assessment and maintenance as well as disease identification and treatment will be presented on a wellness to illness continuum. Students develop a woman-centered holistic approach to care--the central concept in women's health nursing practice.

NU 812. Family Psychiatric Nursing II (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner's role in the delivery of primary mental health care across the lifespan. The course emphasizes promoting optimum mental health, preventing mental illness, health maintenance, and preventing new occurrences of mental illness. Students examine theories relevant to group therapy interventions and consultation, as well as psychopharmacological and alternative treatments. The advanced practice nursing student will develop interventions and programs that reduce stressors and maximize mental health for individuals of all ages and communities. Prerequisite(s): NU 810.

NU 813. Advanced Women's Health Assessment III (w/168 Intern Hrs.). 6 Hours.
Students in this course will examine the unique issues and needs of the peri- and post-menopausal woman. There will be significant focus on the issues of healthy aging, sexuality, urogynecologic and hormonal changes affecting women as they move beyond the childbearing years. Prerequisite(s): NU 808 and NU 809.

NU 814. Family Psychiatric Nursing III (210 Clinical Hours). 6 Hours.
In this course, the psychiatric nurse practitioner's role is further developed as the learner integrates psychiatric theory and practice skills while intervening with the chronic mentally ill in rural settings. Emphasis is on integration of psychotherapeutic, pharmacological, alternative therapeutic approaches, including crisis intervention and case management. During the practicum experiences, students coordinate care and advocate for special populations of individuals, families, and groups across the lifespan. Prerequisite(s): NU 812.
NU 816. Psychiatric NP Internship/Practicum. 3 Hours.  
Class - 1.5 Credits, Clinical - 9 Hours/Week (Total 126 Hours) This is an intensive clinical internship that prepares students to practice in the role of a psychiatric nurse practitioner. Building on biopsychosocial theories, the student will deliver comprehensive holistic primary mental health care to clients. Students will conduct comprehensive assessment, including diagnosis of and referral for physical health problems. Additionally, clinical experiences will include ordering and interpreting laboratory and diagnostic studies. Comprehensive medication management of psychiatric clients will include an in-depth knowledge of psychotropic medications, acceptable prescribing practices and monitoring for side effects and efficacy. Students will present case studies with decision-making trees during seminars to explore relevant clinical and non-clinical issues. Prerequisite(s): NU 702 and NU 704 and NU 706.

NU 818. Family Psychiatric Nurse Practitioner Practicum. 2 Hours.  
This is an intensive clinical internship that prepares students to practice in the role of a family psychiatric nurse practitioner. It will broaden the depth of content and practice that students have already assimilated in the areas of child and adolescent psychotherapy and psychopharmacology. Building on biopsychosocial theories, the student will deliver holistic primary mental health care to clients. Students will conduct comprehensive assessments, including diagnosis of and referral for physical health problems. Clinical experiences will be on therapeutic treatment modalities and interventions with children and adolescents, including therapy and psychopharmacology. Therapy content will cover a range of therapeutic interventions from analytical to behavioral, family, individual and group and long term to brief therapy. Psychopharmacological content will include ordering and interpreting laboratory and diagnostic studies, in-depth knowledge of psychotropic medications, acceptable prescribing practices, monitoring for side effects and efficacy, risk verses benefit and an understanding of normal growth and development and what constitutes psychopathology. Students will present case studies with decision-making trees during seminars to explore relevant clinical and nonclinical issues.

NU 830. Teaching Learning Theories & Strategies in Health Education. 3 Hours.  
This course focuses on the theoretical foundations and strategies of teaching and learning in health education. The graduate health student will explore the various learning theories and pedagogical frameworks that guide the selection of instructional and learning strategies essential for both faculty and students. Content will be delivered using a variety of methodologies – classroom, multi-media on-line and on-line blog-type discussion format. Course participants will identify the differences and similarities in the learning theories specific to basic procedures of learning, assumptions made about such learning, the role of the educator, various sources of motivation to learn, and methods by which the transfer of learning is accomplished. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.

NU 832. Curriculum Development in Nursing Education. 3 Hours.  
This course focuses on curriculum development that reflects contemporary health care trends and prepares graduates to function effectively within the context of continuously evolving nursing, health care and educational systems. In this course the graduate nursing student will design a curriculum that reflects institutional philosophy and mission, current nursing and health care trends, and community and societal needs so as to prepare nurses for practice in a complex, dynamic, multicultural health care environment. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.

NU 834. Assessment and Evaluation in Nursing Education. 3 Hours.  
This course is designed to introduce learning evaluation concepts, including test and measurement, at the didactic, clinical, and programmatic levels. Course content will include strategies to assess and evaluate learning in the cognitive, psychomotor, and affective domains. Quality improvement, as well as legal and ethical considerations is explored within these concepts. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 740 and NU 710 and NU 730.

NU 836. Informatics and Technology in Health Education. 3 Hours.  
The 3 credit course will explore the changing technology environment and its potential to impact on the delivery of quality, safe patient care. Infusing technology into educational programs is vital in preparing students to understand and meet the demands of caring for today's patient populations. The course facilitates and enhances healthcare student's knowledge, skills, and abilities to apply meaningful use of technology within their respective program of study. Focus will combine knowledge of healthcare professional, computers, social media, and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: technology’s impact on health profession work flow, legal, ethical and security considerations associated with select technology, and the impact of technology on the changing roles in healthcare will be discussed as they apply to clinical and consumer information technologies.

NU 838. Internship/Clinical Practicum in Nursing Education. 2-4 Hours.  
This is the capstone clinical course in the nurse educator track. It involves the synthesis, refinement, and application of nursing, education, and evaluation theory in a variety of educational settings and integrated seminars. The bi-weekly seminars are framed within the context of established nurse educator scope of practice (NLN, 2005) and competencies (Council on Collegiate Education for Nursing, 2002; NLN, 2005) and students apply these in a variety of diverse academic and clinical settings under expert preceptor guidance. Graduate nursing students will create and share comprehensive portfolios demonstrating their ability to plan, deliver, assess and refine effective professional education offerings in varied settings with diverse learners. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740 and NU 830 and NU 832 and NU 834 and NU 836.

NU 840. Nurse Educator Capstone. 1-3 Hour.  
This is the culminating scholarly experience in the master’s program. Graduate nursing students will demonstrate mastery of one particular subject area in their specialty track by developing a scholarly project including an evidence based review of that topic. The Department of Nursing relies upon the definition of scholarly work provided in the American Association of Colleges of Nursing's Position Statement on Defining Scholarship for the Discipline of Nursing (1999). This states “scholarship in nursing can be defined as those activities that systematically advance the teaching, research, and practice of nursing through rigorous inquiry that 1) is significant to the profession, 2) is creative, 3) can be documented, 4) can be replicated or elaborated, and 5) can be peer-reviewed through various methods.” The course will allow students to develop such a project in close advisement with a faculty mentor, and present their scholarship through a formal presentation and submitted paper, as well as a manuscript for publication or professional poster presentation. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740 and NU 830 and NU 832 and NU 834 and NU 836.
NU 841. Family and Community Nurse Practitioner Capstone. 1-3 Hour.
This course is the culminating scholarly requirement for those in the MSN/FNP track. Graduate nursing students work together, in groups of two to four, to demonstrate mastery of a particular subject area significant to interprofessional primary care practice. A final paper, poster and oral presentation are required; submission of a manuscript for publication is optional. This course is offered on a one credit per semester basis in three of the four final semesters of coursework, for a required total of three credits. Prerequisite(s): NU 700 and NU 710.

NU 842. Family Psychiatric Nurse Practitioner Capstone. 1-3 Hour.
This is the culminating scholarly experience in the master’s program. Through this experience, graduate nursing students demonstrate mastery of a particular subject area in their specialty track by developing a scholarly project, including an evidence-based review of that topic. The scholarly project is based on factors used by the American Association of Colleges of Nursing’s Position Statement on Defining Scholarship for the Discipline of Nursing (1999) that include significance to the profession, creativity, documentation, replication and peer review. The course allows students to develop such a project in close advisement with a faculty mentor(s) and to present that scholarship through a formal presentation, submitted paper, and a manuscript for publication or professional presentation. Prerequisite(s): NU 710.

Post Master’s Certificates in Nursing
Post Master’s Certificates may be obtained in each of the Graduate Nursing Program tracks:

- Family Psychiatric Mental Health Nurse Practitioner (FPMHNP)
- Family and Community Nurse Practitioner Track (FCNP)

Students with a Masters degree in Nursing who wish to apply for the CAS (Certificate of Advanced Study) will follow the same application process identified in the Program catalog. Graduate Record Examination (GRE)/Miller Analogies Test (MAT) results are not required.

Courses

NU 100. Professional Concepts in Nursing. 3 Hours.
The major focus of this course is on preparing students for the rigorous nursing curriculum. Topics include the essence of baccalaureate nursing and the curriculum design. Also included are discussions aimed to enhance student success, including self-assessment and identification of learning styles. The major concepts of this nursing course will provide a framework for the individual’s program of study. They include, but are not limited to, critical thinking, the nursing process, teaching/learning, and an introduction to ethical and legal concerns in the nursing profession.

NU 208. Health Assessment. 4 Hours.
The emphasis of this course is on the health assessment of an adult. Evidence-based health promotion and disease prevention goals, risk assessment, and client education are highlighted. In the classroom and clinical laboratory, the student will learn to gather subjective and objective data about a client’s health status utilizing face- to-face interviews and physical examination techniques, as well as by making use of a digital clinical experience. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222.

NU 211. Nursing Intervention I. 3 Hours.
This course introduces concepts of patient care and basic nursing interventions used in caring for individuals throughout the lifespan. Learners will use the classroom and skills laboratory to gain beginning competence in nursing theory, nursing process, basic nursing skills, therapeutic communication, and critical thinking. Students will also develop an awareness of diverse cultural beliefs and values in relation to health care. A major focus will be on the nurse’s role in the safe delivery of care. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222 and SC 180 and SL 180 and NU 100 and (MS 141 or MS 180 or MS 181).

NU 212. Nursing Intervention II. 4 Hours.
This course is the second half of NU 211 and focuses on knowledge and skills that are fundamental to nursing care throughout the lifespan and regardless of disease entity. Using the classroom, lab, and clinical placements, learners will demonstrate competence in the application of the nursing process in the planning and delivery of nursing care. Themes of growth and development, cultural diversity, evidence-based practice, and critical thinking will be threaded throughout. Skills and knowledge learned in this course are foundational to learning throughout the rest of the curriculum. Prerequisite(s): NU 211.

NU 214. Pharmacology. 3 Hours.
This course builds upon students’ knowledge of anatomy, physiology, chemistry and the nursing process. It is designed to provide the knowledge required for the safe administration of drugs and teaching with patients across the life span. Actions, therapeutic uses, interactions and side effects of major drug classifications, as well as nursing responsibilities related to drug administration to patients across the life span are examined. Prerequisite(s): NU 211.

NU 299. Topic/. 1 Hour.
Selected topics in nursing are considered. The course enhances students’ knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 315. Child Health. 5 Hours.
This course addresses the care of ill children and their families. Adaptation theory will be used as the theoretical framework for nursing assessments, interventions, and evaluations. The nursing process is applied relative to this population. This course encompasses diagnostic and therapeutic techniques. Clinical opportunities are provided in the acute care setting. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234.

NU 320. Nursing Research. 3 Hours.
Students will understand the basic concepts, processes, and applications of quantitative and qualitative research. Students will analyze the role and implication of nursing research and research within other disciplines on the nursing profession. Prerequisite(s): MS 132.

NU 322. Adult/Family Health. 1.5 Hours.
This course facilitates the integration of knowledge and skills acquired from previous courses. The emphasis is on understanding the nurse’s role in uncomplicated acute and chronic illness with predictable outcomes within changing practice environments across the spectrum of health and illness. In a learner-centered classroom and simulation environment, analytical and experiential learning activities are provided which encourage active participation in demonstrating clinical reasoning and judgment in meeting the health care needs of clients/family. The goal is for the learner to be able to approach client care conceptually, so that care is designed with a focus on prioritization and solid understanding of rationales. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 333 and SC 234.
NU 323. Adult/Family Health II. 5 Hours.
This course facilitates students' integration of knowledge gained from previous courses, and expands students' knowledge from previous learning experiences. Theoretical and conceptual models and related research provide the foundation for expanding health assessment and clinical practice skills. Analytical and experiential learning activities are provided which encourage active participation in demonstrating decision-making skills and judgment in meeting the health care needs of clients/family. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234 and NU 322.

NU 324. Maternal and Newborn Nursing. 5 Hours.
The focus of this course is the childbearing family. Concepts related to prepregnancy issues, pregnancy, the fetus/newborn, and the post delivery family are presented. Physiologic, social, and cultural issues, as they relate to the childbearing family, are included. Clinical experiences occur in a variety of settings, including inpatient, educational, and community settings. Prerequisite(s): SC 233 and SC 234 and SC 241 and NU 208 and NU 211 and NU 212 and NU 214.

NU 412. Community Health. 5 Hours.
This course builds upon the student's broad base of knowledge in the natural and social sciences, humanities, and previous nursing content. Attention is directed toward assessment of biopsychosocial stressors of the individual, family, group, and community and their adaptation to changes in the environment. Prerequisite(s): NU 322 and NU 323 and NU 324 and NU 320 and NU 315.

NU 422. Community Mental Health. 5 Hours.
This course focuses on behaviors, which occur when individuals, families, and groups in the community are unable to cope effectively with acute and chronic biopsychosocial and cultural stressors. Relevant theories and theoretical formulations are used in order to promote an understanding of individual, family, group, and community dynamics. Within the framework of the nursing process, self-knowledge and intervention skills are developed which allow the student to assist individuals, families, and groups in their adaptation to internal and external stressors. Prerequisite(s): NU 320 and NU 322 and NU 323 and NU 324 and NU 315.

NU 424. Adult / Family Health III. 3 Hours.
This course is the last in a sequence of adult health. It is designed to integrate and expand previous learning, clinical and leadership experiences of the student. Students will participate in scenarios that require them to critically analyze and apply research, theories and educational models of teaching/learning processes. Clinical practice provides the opportunity to synthesize knowledge and demonstrate diagnostic reasoning, critical decision-making and delegation. Engaged ethical and clinical reasoning occurs with student's involvement in the management of adult, family, and groups in complex clinical health care situations with expert nurse partners and faculty. This partnership creates a way to understand and guide analytical and experiential learning. These clinical partnerships take place in a variety of clinical settings. Prerequisite(s): NU 322 and NU 323.

NU 425. Nursing Senior Capstone. 1-2 Hour.
The capstone course is an opportunity for the student to demonstrate that he or she has achieved the terminal outcomes of the Husson/EMMC Baccalaureate Nursing Program. The capstone promotes connection between knowledge, skills, and attitudes learned in both general education and nursing courses. This course is student centered and student directed and will facilitate the graduate's transition to the professional world. Prerequisite(s): NU 315 and NU 320 and NU 322 and NU 324.

NU 426. Policy Leadership and Management in Nursing. 3 Hours.
This course provides a conceptual and practical basis for examining professional nursing leadership roles. Emphasis is placed on accountability in regulated systems, management of complex organizations, and principles of advocacy aimed at the promotion of health and quality health systems. Prerequisite(s): College Level-Senior.

NU 431. Wound Management. 3 Hours.
Focus is on utilization of the Nursing Process in the provision of care to clients with chronic wounds. Emphasis is placed on client/ family education and the use of evidence-based practice in wound management. Prerequisite(s): NU 208 and NU 212.

NU 432. Caring, Spirituality & Culture. 3 Hours.
This course is designed to provide the undergraduate nursing student with a working knowledge of how the concepts of caring, culture and spirituality influence health status and health related behaviors. The focus of the course is to explore these concepts, their meanings and implications, and to utilize the concepts when providing or planning holistic nursing care for diverse clients, families, groups, and communities.

NU 433. Gerontological Nursing. 3 Hours.
Course is to address the professional nursing role in providing and coordinating health care for the elderly population. Content provided is to address physical, emotional, social and spiritual needs of older adults. The nursing process will identify individual and family issues for professional nurse to serve as a conduit for skills and information to promote successful aging. Prerequisite(s): NU 208 and NU 212.

NU 435. History of Women's Health. 3 Hours.
An elective course that explores the progression of the women's health movement in the U.S. from the 1800's to present day. Ideas about women's bodies as an entity of wellness and illness in the context of medicine and the feminist movement will be discussed and researched in this seminar-type class. The student will gain an understanding of the struggles as well as the accomplishments of important historical figures and their concepts. Traditional women healers from lay to professional will be researched for an understanding of how women receive health care in 2008. Race, ethnicity, disability, sexuality and class will be examined looking at individual perspectives of health and care. Prerequisite(s): NU 208 and NU 212.

NU 441. Role Transition to BSN. 3 Hours.
In this course, students examine the transition of the Registered Nurse (RN) to the professional role of pursing an advanced degree at the baccalaureate or graduate level. As the entry course for the RN-to-BSN program, students are provided with networking and mentoring opportunities with peers and faculty. Professional bases for nursing practice, critical abilities for today's professional nurse, and role of continuous quality improvement and safety in healthcare systems are explored. This course is offered in a hybrid format.

NU 442. Health Informatics & Technology. 3 Hours.
In this course, students explore the changing technology environment and its potential impact on the delivery of quality, safe patient care. The course combines knowledge of nursing, computers and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: (a) technology's impact on nursing work flow, (b) legal and ethical considerations associated with select technology, and (c) the impact of technology on the changing role of the nurse. This course is offered in a hybrid format.
NU 443. Quality Improvement in Healthcare Systems. 3 Hours.
In this course, students are introduced to competencies necessary for studying clinical Microsystems and examining their influence on patient safety, satisfaction, and other clinical outcomes. Students will apply: (a) quality improvement assessment tools and models within a microsystem, (b) continuous quality improvement theory, (c) evidence-based practice, (d) performance improvement methods, and (e) the development of team-based problem solving and resolution. This course is offered in a hybrid format.

NU 444. BSN Capstone Practice (with 42 Practicum Hours). 3 Hours.
This is the culminating scholarly experience in the RN-to-BSN program of study. Students will focus on synthesis and integration of complex concepts relevant to their scope of practice, and leadership and management skills in complex organizational environments. Emphasis is placed on the application of leadership principles through an evidence-based capstone project. This course is offered in a hybrid format. Prerequisite(s): NU 441 and NU 442 and NU 443 and NU 706 and NU 710 and NU 740.

NU 499. Topic/. 1-3 Hour.
Selected topics in nursing are considered. The course enhances students' knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 700. Theories and Roles for Advanced Nursing Practice. 3 Hours.
This course is designed to provide an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. The importance of the role of the Advanced Practice Nurse in Interprofessional Collaboration is also explored. Emphasis is placed on the relevant historic, current and future practice issues inherent in the varied aspects of advanced practice nursing. The course also examines legislative issues and trends at both state and national levels, as they relate to the effective and appropriate role of advanced practice nurses within our rapidly changing healthcare system.

NU 701. Theories for Advanced Nursing Practice. 2 Hours.
This course provides an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. These theories reflect important contributions from both the nursing profession and non-nursing disciplines. The course provides a historical perspective and analysis of nursing theorists from Nightingale to emerging theorists and includes an introduction to theories fundamental to advanced practice nursing, such as role theory and family nursing theory.

NU 702. Advanced Pharmacotherapeutics. 3 Hours.
This course builds upon undergraduate understanding of pharmacological principles and agents by preparing students to evaluate and prescribe medications for common acute and chronic health problems seen in the primary care setting. Students will examine the regulatory aspects of drug administration and prescription from the perspective of advanced nursing practice. The focal point of the class will be the development of clinical decision-making skills essential to safe and effective pharmacologic intervention. Current concepts in pharmacologic therapies as part of the treatment of commonly encountered health problems will be stressed. The importance of collaboration between Advanced Practice Nurses and Pharmacy colleagues will be addressed, particularly in regard to patient safety and treatment efficacy. Prerequisite(s): NU 700 and NU 706.

NU 703. Roles for Advanced Nursing Practice. 2 Hours.
This course provides an in-depth analysis of the role of the advanced practice nurse. That knowledge is needed to conceptualize and identify with relevant historic, current and future practice issues inherent in the role. Both state and national legislation and trends are addressed, as they relate to the effective and appropriate use of advanced practice nurses within the rapidly changing healthcare system.

NU 704. Advanced Health Assessment. 3 Hours.
The focus of this course is the assessment of total health status of adult patients. The course is designed to enable the student to develop diagnostic reasoning skills and to utilize a regional approach to physical examination. Instruction builds upon the health assessment skills of the experienced RN/BSN and includes a laboratory practicum that provides the student with opportunities to apply new knowledge and practice in the areas of physical examination. Students will perform complete physical exams on each other and standardized patients – obtaining health histories, performing physical examinations and documenting findings. Along the way, students will learn more about the importance of providing high-quality care that is culturally competent, the process of developing a list of Differential Diagnoses and appropriate ordering of diagnostics. Prerequisite(s): NU 700 and NU 706.

NU 705. Advanced Psychopharmacology. 3 Hours.
This course reviews the application of pharmacotherapeutic principles to psychiatric disorders across the lifespan. Major class of medications include antidepressants, mood stabilizers, psychostimulants, antipsychotic medications, anxiolytics and off label use. Students review in detail the indications, contraindications, side effects and adverse reactions and drug interactions. In addition, the course addresses the use of herbal remedies, homeopathy and diet. The course places special emphasis on the applications of psychopharmacology to clinical case studies across the lifespan, including children, adolescents, adults, and geriatric populations. Prerequisite(s): NU 700 and NU 702 and NU 706 and NU 707.

NU 706. Advanced Pathophysiology. 3 Hours.
This course examines the reaction of the body to disease throughout the lifespan. Using a conceptual approach that is designed to integrate knowledge from basic and clinical sciences, it focuses on alterations in biological processes which affect the body’s dynamic equilibrium. Alterations at the cellular and organ level are presented and include genetic, metabolic, infectious, immunologic, degenerative, and neoplastic processes. Clinical problems will be developed and explored to facilitate the acquisition of critical thinking, problem-solving and evaluation skills needed by practitioners in the management of clients with chronic and acute health problems.

NU 707. Neurobiology. 3 Hours.
This course focuses on the study of brain, mind and behavior and examines the neuroanatomical, neurophysiological, and biochemical foundations of cognition, mood, emotion, affect, and behavior and the interactions among them. It takes into consideration both internal and external influences across a person’s life span. Included is an overview of brain functioning and mechanisms of neurotransmission, genetics, the effects of other body systems such as the endocrine and immune systems, temperament, and the environment. Prerequisite(s): NU 706.
NU 710. Nursing Research. 3 Hours.
This course explores the principles and uses of the research process in Advanced Practice Nursing. The graduate nursing student will become an active participant in the research experience and be prepared to develop, write and present a research proposal. Content will focus on evidence-based practice, understanding the role of a nurse practitioner as researcher, and the development of a research proposal that will be the foundation and beginning process of their scholarly project. Students are strongly encouraged to develop a proposal that includes interprofessional collaboration. Prerequisite(s): NU 700.

NU 722. Adv Mental Hlth Asmt Across the Lifespan (168 Clinical Hrs). 5 Hours.
This course is designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 740. Public Health Policy Issues and Challenges. 3 Hours.
This course is designed to provide the graduate student with an opportunity to explore and evaluate the political process, fiscal policies, and their impact on public health and the health care system. The use of sociopolitical and ethical frameworks are interwoven with policy development. Opportunities are provided for students to critique public policy and determine how the behavior of health professional’s impact governmental decisions and regulatory processes. Students will explore legislative processes, state/federal policies, and analyze current legislative and policy issues.

NU 799. Special Topics in Nursing. 1-3 Hour.
Selected topics in nursing are offered under the guidance of graduate faculty. The course enhances students knowledge of advanced practice nursing, building on previous knowledge of nursing and healthcare in today’s complex and rapidly changing healthcare system. This course may be used as an elective in the student’s program of study and may be taken more than once as long as different topics are taken.

NU 801. Adv Mntl Hlth Asmt Across the Lifespan(168 Clinical Hrs). 5 Hours.
NU 801 is a hybrid course designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 802. Family Health II -- Adult-Gero Health (168 Internship Hours). 6 Hours.
This course explores relevant practice issues in the health care of adults and families. Primary focus is on the assessment of acute and chronic health problems experienced by this population, as well as health promotion/disease prevention activities. The precepted internship experience gives students an opportunity to provide primary care to adults of any age. In the course, students continue to further explore the interprofessional collaborative role in both the classroom and clinical setting. Prerequisite(s): NU 700 and NU 702 and NU 704.

NU 806. Family Health IV--Integrating Primary Care (168 Intern. Hrs.), 6 Hours.
This is the culminating internship course in the program. The focus is on synthesizing the knowledge and clinical management skills from previous courses in preparation for the transition from graduate student to novice nurse practitioner. The course emphasizes the importance of integrating patient care by collaborating with other healthcare providers particularly in regard to improving patient safety and health outcomes. Students take part in seminars that allow them to thoroughly explore both clinical and non-clinical issues frequently noted in primary care. At the same time, students become familiar with the newest clinical guidelines for disorders most commonly seen in primary care. Information is provided and discussed in four on-campus/virtual sessions, weekly Journal Club requirements and will culminate with the presentation of Capstone projects. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 802 and NU 807 and NU 808.

NU 807. Family Health I -- Pediatrics (168 Internship Hours). 6 Hours.
The focus of this course explores theories and the practice of health care for children from infancy through adolescence within a context of family health care. The course will focus on health promotion and acute and chronic illness conditions experienced by these childbearing and childrearing families. This course will focus on health-illness issues experienced by this population in underserved rural and urban areas. The clinical practicum experience will present the advanced practice nursing student with clinical experience in assessing, planning, and managing care for families in these age groups at a variety of clinical sites. Opportunities will be available in both the classroom and clinical setting to further explore the roles inherent to the advanced practice nurse who provides primary health care to these clients. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 802 and NU 807 and NU 808.

NU 808. Family Health III -- Women’s Health (168 Internship Hours). 6 Hours.
This course explores the theories and practice of healthcare for women within the context of the family. It also focuses on health promotion and acute or chronic illness that may be experienced particularly by childbearing families. The internship will present the family nurse practitioner student with precepted experiential learning in assessing, planning and managing women’s health from a primary care perspective. Particular emphasis will be placed on the importance of collaborating with other health care professionals in order to achieve patient safety and optimal health outcomes. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.
NU 809. Adv Women's Health Assessment II (w/168 Intern Hrs). 6 Hours.
Building on previous study in women's health, students begin to critically examine and address concepts and research related to issues of women from adolescence to menopause. This course focuses on the advanced practice nursing knowledge necessary for the comprehensive assessment and health management of individuals and families during the childbearing years. Particular attention will be paid to the pre-, ante- and post-natal periods. Concepts include human sexuality, disease prevention, pregnancy/childbirth and urogynecological issues as well as the social and political determinants of health. Prerequisite(s): NU 808.

NU 810. Family Psychiatric Nursing I (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner's role in the delivery of mental health care for mentally ill individuals and families across the lifespan. Students examine the theories relevant to family therapy and individual psychotherapy, as well as psychopharmacological and alternative treatments. Practicum experiences focus on student application of family interventions and therapy as well as individual interventions and psychotherapy in acute and chronic care settings. Populations include children, adolescents, adults, and geriatric individuals. Prerequisite(s): NU 702 and NU 705 and NU 710 and NU 722.

NU 811. Women's Health Iss - A Public Health Approach to Care & Pol. 3 Hours.
Consistent with the emerging definitions of women's health and women's health practice, this course examines a full range of health issues unique to women. Women's health specialization includes prevention, the societal and political determinants of health, patient education and reconceptualization of women's relationships with health care providers. Health assessment and maintenance as well as disease identification and treatment will be presented on a wellness to illness continuum. Students develop a woman-centered holistic approach to care—the central concept in women's health nursing practice.

NU 812. Family Psychiatric Nursing II (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner's role in the delivery of primary mental health care across the lifespan. The course emphasizes promoting optimum mental health, preventing mental illness, health maintenance, and preventing new occurrences of mental illness. Students examine theories relevant to group therapy interventions and consultation, as well as psychopharmacological and alternative treatments. The advanced practice nursing student will develop interventions and programs that reduce stressors and maximize mental health for individuals of all ages and communities. Prerequisite(s): NU 810.

NU 813. Advanced Women's Health Assessment III (w/168 Intern Hrs). 6 Hours.
Students in this course will examine the unique issues and needs of the peri- and post-menopausal woman. There will be significant focus on the issues of healthy aging, sexuality, urogynecologic and hormonal changes affecting women as they move beyond the childbearing years. Prerequisite(s): NU 808 and NU 809.

NU 814. Family Psychiatric Nursing III (210 Clinical Hours). 6 Hours.
In this course, the psychiatric nurse practitioner's role is further developed as the learner integrates psychiatric theory and practice skills while intervening with the chronic mentally ill in rural settings. Emphasis is on integration of psychotherapeutic, pharmacological, alternative therapeutic approaches, including crisis intervention and case management. During the practicum experiences, students coordinate care and advocate for special populations of individuals, families, and groups across the lifespan. Prerequisite(s): NU 812.

NU 816. Psychiatric NP Internship/Practicum. 3 Hours.
Class - 1.5 Credits, Clinical - 9 Hours/Week (Total 126 Hours) This is an intensive clinical internship that prepares students to practice in the role of a psychiatric nurse practitioner. Building on biopsychosocial theories, the student will deliver comprehensive holistic primary mental health care to clients. Students will conduct comprehensive assessment, including diagnosis of and referral for physical health problems. Additionally, clinical experiences will include ordering and interpreting laboratory and diagnostic studies. Comprehensive medication management of psychiatric clients will include an in-depth knowledge of psychotropic medications, acceptable prescribing practices and monitoring for side effects and efficacy. Students will present case studies with decision-making trees during seminars to explore relevant clinical and non-clinical issues. Prerequisite(s): NU 702 and NU 704 and NU 706.

NU 818. Family Psychiatric Nurse Practitioner Practicum. 2 Hours.
This is an intensive clinical internship that prepares students to practice in the role of a family psychiatric nurse practitioner. It will broaden the depth of content and practice that students have already assimilated in the areas of child and adolescent psychotherapy and psychopharmacology. Building on biopsychosocial theories, the student will deliver holistic primary mental health care to clients. Students will conduct comprehensive assessments, including diagnosis of and referral for physical health problems. Clinical experiences will be on therapeutic treatment modalities and interventions with children and adolescents, including therapy and psychopharmacology. Therapy content will cover a range of therapeutic interventions from analytical to behavioral, family, individual and group and long term to brief therapy. Psychopharmacological content will include ordering and interpreting laboratory and diagnostic studies, in-depth knowledge of psychotropic medications, acceptable prescribing practices, monitoring for side effects and efficacy, risk verses benefit and an understanding of normal growth and development and what constitutes psychopathology. Students will present case studies with decision-making trees during seminars to explore relevant clinical and nonclinical issues.

NU 830. Teaching Learning Theories & Strategies in Health Education. 3 Hours.
This course focuses on the theoretical foundations and strategies of teaching and learning in health education. The graduate health student will explore the various learning theories and pedagogical frameworks that guide the selection of instructional and learning strategies essential for both faculty and students. Content will be delivered using a variety of methodologies – classroom, multi-media on-line and on-line blog-type discussion format. Course participants will identify the differences and similarities in the learning theories specific to basic procedures of learning, assumptions made about such learning, the role of the educator, various sources of motivation to learn, and methods by which the transfer of learning is accomplished. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.

NU 832. Curriculum Development in Nursing Education. 3 Hours.
This course focuses on curriculum development that reflects contemporary health care trends and prepares graduates to function effectively within the context of continuously evolving nursing, health care and educational systems. In this course the graduate nursing student will design a curriculum that reflects institutional philosophy and mission, current nursing and health care trends, and community and societal needs so as to prepare nurses for practice in a complex, dynamic, multicultural health care environment. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.
NU 834. Assessment and Evaluation in Nursing Education. 3 Hours. This course is designed to introduce learning evaluation concepts, including test and measurement, at the didactic, clinical, and programmatic levels. Course content will include strategies to assess and evaluate learning in the cognitive, psychomotor, and affective domains. Quality improvement, as well as legal and ethical considerations is explored within these concepts. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 740 and NU 710 and NU 730.

NU 836. Informatics and Technology in Health Education. 3 Hours. The 3 credit course will explore the changing technology environment and its potential to impact on the delivery of quality, safe patient care. Infusing technology into educational programs is vital in preparing students to understand and meet the demands of caring for today's patient populations. The course facilitates and enhances healthcare student's knowledge, skills, and abilities to apply meaningful use of technology within their respective program of study. Focus will combine knowledge of healthcare professional, computers, social media, and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: technology's impact on health profession work flow, legal, ethical and security considerations associated with select technology, and the impact of technology on the changing roles in healthcare will be discussed as they apply to clinical and consumer information technologies.

NU 838. Internship/Clinical Practicum in Nursing Education. 2-4 Hours. This is the capstone clinical course in the nurse educator track. It involves the synthesis, refinement, and application of nursing, education, and evaluation theory in a variety of educational settings and integrated seminars. The bi-weekly seminars are framed within the context of established nurse educator scope of practice (NLN, 2005) and competencies (Council on Collegiate Education for Nursing, 2002; NLN, 2005) and students apply these in a variety of diverse academic and clinical settings under expert preceptor guidance. Graduate nursing students will create and share comprehensive portfolios demonstrating their ability to plan, deliver, assess and refine effective professional education offerings in varied settings with diverse learners. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740 and NU 830 and NU 832 and NU 834 and NU 836.

NU 840. Nurse Educator Capstone. 1-3 Hour. This is the culminating scholarly experience in the master's program. Graduate nursing students will demonstrate mastery of one particular subject area in their specialty track by developing a scholarly project including an evidence-based review of that topic. The Department of Nursing relies upon the definition of scholarly work provided in the American Association of Colleges of Nursing's Position Statement on Defining Scholarship for the Discipline of Nursing (1999) that include significance to the profession, creativity, documentation, replication and peer review. The course allows students to develop such a project in close advisement with a faculty mentor(s) and to present that scholarship through a formal presentation, submitted paper, and a manuscript for publication or professional presentation. Prerequisite(s): NU 710.

M.S. In Nursing - Family and Community Nurse Practitioner

This CCNE accredited graduate track leads to the Master of Science in Nursing degree or a Post-Master's Certificate. It reflects Husson's ongoing commitment to educate nurses for the challenges of the 21st century. Graduates are eligible to sit for the ANCC or AANP Family Nurse Practitioner Certification Exam. All programming is delivered via hybrid and online modalities, making graduate nursing education accessible to everyone.

Track Outcomes

Upon completion, graduates will be expected to:

- Provide primary health care to individuals of all ages and their families, within diverse practice settings.
- Utilize community assessment in evaluating client needs and planning health care.
- Synthesize relevant theories and specialized knowledge into their clinical practice.
- Analyze and apply research literature used for improving health outcomes of individuals and their families.
- Influence family nursing practice by exhibiting competence in clinical practice, teaching, counseling, consultation, research, leadership and collaboration.
- Utilize an interdisciplinary focus in the delivery of comprehensive family health care.
- Contribute to the improvement of family health care by influencing health policy.
- Practice with personal integrity and a willingness to search for ethical truths in a constantly changing environment.
- Assume responsibility for continued professional growth and development.

Professional Courses

NU 700 Theories and Roles for Advanced Nursing Practice 3
NU 702 Advanced Pharmacotherapeutics 3
NU 704 Advanced Health Assessment 3
NU 706 Advanced Pathophysiology 3
NU 710 Nursing Research 3
IP 730 Interprofessional Collaboration in Rural Public Health 3
NU 740 Public Health Policy Issues and Challenges 3
NU 802 Family Health II – Adult Health (168 Internship Hours) 6
NU 806 Family Health IV – Integrating Primary Care (168 Internship Hours) 6
NU 807 Family Health I – Pediatrics (168 Internship Hours) 6
NU 808 Family Health III – Women’s Health (168 Internship Hours) 6
NU 841 Family and Community Nurse Practitioner Capstone 3
Total Hours 48

Upon review of student’s previous MSN program, credits required may be reduced, ranging from 24-48 total credits.

Courses

NU 100. Professional Concepts in Nursing. 3 Hours.
The major focus of this course is on preparing students for the rigorous nursing curriculum. Topics include the essence of baccalaureate nursing and the curriculum design. Also included are discussions aimed to enhance student success, including self assessment and identification of learning styles. The major concepts of this nursing course will provide a framework for the individual’s program of study. They include, but are not limited to, critical thinking, the nursing process, teaching/learning, and an introduction to ethical and legal concerns in the nursing profession.

NU 208. Health Assessment. 4 Hours.
The emphasis of this course is on the health assessment of an adult. Evidence-based health promotion and disease prevention goals, risk assessment, and client education are highlighted. In the classroom and clinical laboratory, the student will learn to gather subjective and objective data about a client’s health status utilizing face-to-face interviews and physical examination techniques, as well as by making use of a digital clinical experience. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222.

NU 211. Nursing Intervention I. 3 Hours.
This course introduces concepts of patient care and basic nursing interventions used in caring for individuals throughout the lifespan. Learners will use the classroom and skills laboratory to gain beginning competence in nursing theory, nursing process, basic nursing skills, therapeutic communication, and critical thinking. Students will also develop an awareness of diverse cultural beliefs and values in relation to health care. A major focus will be on the nurse’s role in the safe delivery of care. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222 and SC 180 and SL 180 and NU 100 and (MS 141 or MS 180 or MS 181).

NU 212. Nursing Intervention II. 4 Hours.
This course is the second half of NU 211 and focuses on knowledge and skills that are fundamental to nursing care throughout the lifespan and regardless of disease entity. Using the classroom, lab, and clinical placements, learners will demonstrate competence in the application of the nursing process in the planning and delivery of nursing care. Themes of growth and development, cultural diversity, evidence-based practice, and critical thinking will be threaded throughout. Skills and knowledge learned in this course are foundational to learning throughout the rest of the curriculum. Prerequisite(s): NU 211.

NU 214. Pharmacology. 3 Hours.
This course builds upon students’ knowledge of anatomy, physiology, chemistry and the nursing process. It is designed to provide the knowledge required for the safe administration of drugs and teaching with patients across the life span. Actions, therapeutic uses, interactions and side effects of major drug classifications, as well as nursing responsibilities related to drug administration to patients across the life span are examined. Prerequisite(s): NU 211.

NU 299. Topic/. 1 Hour.
Selected topics in nursing are considered. The course enhances students’ knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 315. Child Health. 5 Hours.
This course addresses the care of ill children and their families. Adaptation theory will be used as the theoretical framework for nursing assessments, interventions, and evaluations. The nursing process is applied relative to this population. This course encompasses diagnostic and therapeutic techniques. Clinical opportunities are provided in the acute care setting. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234.

NU 320. Nursing Research. 3 Hours.
Students will understand the basic concepts, processes, and applications of quantitative and qualitative research. Students will analyze the role and implication of nursing research and research within other disciplines on the nursing profession. Prerequisite(s): MS 132.

NU 322. Adult/Family Health I. 5 Hours.
This course facilitates the integration of knowledge and skills acquired from previous courses. The emphasis is on understanding the nurse’s role in uncomplicated acute and chronic illness with predictable outcomes within changing practice environments across the spectrum of health and illness. In a learner-centered classroom and simulation environment, analytical and experiential learning activities are provided which encourage active participation in demonstrating clinical reasoning and judgment in meeting the health care needs of clients/family. The goal is for the learner to be able to approach client care conceptually, so that care is designed with a focus on prioritization and solid understanding of rationales. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 333 and SC 234.

NU 323. Adult/Family Health II. 5 Hours.
This course facilitates students’ integration of knowledge gained from previous courses, and expands students’ knowledge from previous learning experiences. Theoretical and conceptual models and related research provide the foundation for expanding health assessment and clinical practice skills. Analytical and experiential learning activities are provided which encourage active participation in demonstrating decision-making skills and judgment in meeting the health care needs of clients/family. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 333 and SC 234 and NU 322.
NU 324. Maternal and Newborn Nursing. 5 Hours.
The focus of this course is the childbearing family. Concepts related to prepregnancy issues, pregnancy, the fetus/newborn, and the post delivery family are presented. Physiologic, social, and cultural issues, as they relate to the childbearing family, are included. Clinical experiences occur in a variety of settings, including inpatient, educational, and community settings. Prerequisite(s): SC 233 and SC 234 and SC 241 and NU 208 and NU 211 and NU 212 and NU 214.

NU 412. Community Health. 5 Hours.
This course builds upon the student’s broad base of knowledge in the natural and social sciences, humanities, and previous nursing content. Attention is directed toward assessment of biopsychosocial stressors of the individual, family, group, and community and their adaptation to changes in the environment. Prerequisite(s): NU 322 and NU 323 and NU 324 and NU 320 and NU 315.

NU 422. Community Mental Health. 5 Hours.
This course focuses on behaviors, which occur when individuals, families, and groups in the community are unable to cope effectively with acute and chronic biopsychosocial and cultural stressors. Relevant theories and theoretical formulations are used in order to promote an understanding of individual, family, group, and community dynamics. Within the framework of the nursing process, self-knowledge and intervention skills are developed which allow the student to assist individuals, families, and groups in their adaptation to internal and external stressors. Prerequisite(s): NU 320 and NU 322 and NU 323 and NU 324 and NU 315.

NU 424. Adult / Family Health III. 3 Hours.
This course is the last in a sequence of adult health. It is designed to integrate and expand previous learning, clinical and leadership experiences of the student. Students will participate in scenarios that require them to critically analyze and apply research, theories and educational models of teaching/learning processes. Clinical practice provides the opportunity to synthesize knowledge and demonstrate diagnostic reasoning, critical decision-making and delegation. Engaged ethical and clinical reasoning occurs with student’s involvement in the management of adult, family, and groups in complex clinical health care situations with expert nurse partners and faculty. This partnership creates a way to understand and guide analytical and experiential learning. These clinical partnerships take place in a variety of clinical settings. Prerequisite(s): NU 322 and NU 323.

NU 425. Nursing Senior Capstone. 1-2 Hour.
The capstone course is an opportunity for the student to demonstrate that he or she has achieved the terminal outcomes of the Husson/EMMC Baccalaureate Nursing Program. The capstone promotes connection between knowledge, skills, and attitudes learned in both general education and nursing courses. This course is student centered and student directed and will facilitate the graduate’s transition to the professional world. Prerequisite(s): NU 315 and NU 320 and NU 322 and NU 324.

NU 426. Policy Leadership and Management in Nursing. 3 Hours.
This course provides a conceptual and practical basis for examining professional nursing leadership roles. Emphasis is placed on accountability in regulated systems, management of complex organizations, and principles of advocacy aimed at the promotion of health and quality health systems. Prerequisite(s): College Level=Senior.

NU 431. Wound Management. 3 Hours.
Focus is on utilization of the Nursing Process in the provision of care to clients with chronic wounds. Emphasis is placed on client/family education and the use of evidence-based practice in wound management. Prerequisite(s): NU 208 and NU 212.

NU 432. Caring, Spirituality & Culture. 3 Hours.
This course is designed to provide the undergraduate nursing student with a working knowledge of how the concepts of caring, culture and spirituality influence health status and health related behaviors. The focus of the course is to explore these concepts, their meanings and implications, and to utilize the concepts when providing or planning holistic nursing care for diverse clients, families, groups, and communities.

NU 433. Gerontological Nursing. 3 Hours.
Course is to address the professional nursing role in providing and coordinating health care for the elderly population. Content provided is to address physical, emotional, social and spiritual needs of older adults. The nursing process will identify individual and family issues for professional nurse to serve as a conduit for skills and information to promote successful aging. Prerequisite(s): NU 208 and NU 212.

NU 435. History of Women's Health. 3 Hours.
An elective course that explores the progression of the women’s health movement in the U.S. from the 1800’s to present day. Ideas about women’s bodies as an entity of wellness and illness in the context of medicine and the feminist movement will be discussed and researched in this seminar-type class. The student will gain an understanding of the struggles as well as the accomplishments of important historical figures and their concepts. Traditional women healers from lay to professional will be researched for an understanding of how women receive health care in 2008. Race, ethnicity, disability, sexuality and class will be examined looking at individual perspectives of health and care. Prerequisite(s): NU 208 and NU 212.

NU 441. Role Transition to BSN. 3 Hours.
In this course, students examine the transition of the Registered Nurse (RN) to the professional role of pursing an advanced degree at the baccalaureate or graduate level. As the entry course for the RN-to-BSN program, students are provided with networking and mentoring opportunities with peers and faculty. Professional bases for nursing practice, critical abilities for today’s professional nurse, and role of continuous quality improvement and safety in healthcare systems are explored. This course is offered in a hybrid format.

NU 442. Health Informatics & Technology. 3 Hours.
In this course, students explore the changing technology environment and its potential impact on the delivery of quality, safe patient care. The course combines knowledge of nursing, computers and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: (a) technology’s impact on nursing work flow, (b) legal and ethical considerations associated with select technology, and (c) the impact of technology on the changing role of the nurse. This course is offered in a hybrid format.

NU 443. Quality Improvement in Healthcare Systems. 3 Hours.
In this course, students are introduced to competencies necessary for studying clinical microsystems and examining their influence on patient safety, satisfaction, and other clinical outcomes. Students will apply: (a) quality improvement assessment tools and models within a microsystem, (b) continuous quality improvement theory, (c) evidence-based practice, (d) performance improvement methods, and (e) the development of team-based problem solving and resolution. This course is offered in a hybrid format.
NU 444. BSN Capstone Practice (with 42 Practicum Hours). 3 Hours.
This is the culminating scholarly experience in the RN-to-BSN program of study. Students will focus on synthesis and integration of complex concepts relevant to their scope of practice, and leadership and management skills in complex organizational environments. Emphasis is placed on the application of leadership principles through an evidence-based capstone project. This course is offered in a hybrid format. Prerequisite(s): NU 441 and NU 442 and NU 443 and NU 706 and NU 710 and NU 740.

NU 499. Topic/. 1-3 Hour.
Selected topics in nursing are considered. The course enhances students' knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 700. Theories and Roles for Advanced Nursing Practice. 3 Hours.
This course is designed to provide an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. The importance of the role of the Advanced Practice Nurse in Interprofessional Collaboration is also explored. Emphasis is placed on the relevant historic, current and future practice issues inherent in the varied aspects of advanced practice nursing. The course also examines legislative issues and trends at both state and national levels, as they relate to the effective and appropriate role of advanced practice nurses within our rapidly changing healthcare system.

NU 701. Theories for Advanced Nursing Practice. 2 Hours.
This course provides an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. These theories reflect important contributions from both the nursing profession and non-nursing disciplines. The course provides a historical perspective and analysis of nursing theorists from Nightingale to emerging theorists and includes an introduction to theories fundamental to advanced practice nursing, such as role theory and family nursing theory.

NU 702. Advanced Pharmacotherapeutics. 3 Hours.
This course builds upon undergraduate understanding of pharmacological principles and agents by preparing students to evaluate and prescribe medications for common acute and chronic health problems seen in the primary care setting. Students will examine the regulatory aspects of drug administration and prescription from the perspective of advanced nursing practice. The focal point of the class will be the development of clinical decision-making skills essential to safe and effective pharmacologic intervention. Current concepts in pharmacologic therapies as part of the treatment of commonly encountered health problems will be stressed. The importance of collaboration between Advanced Practice Nurses and Pharmacy colleagues will be addressed, particularly in regard to patient safety and treatment efficacy. Prerequisite(s): NU 700 and NU 706.

NU 703. Roles for Advanced Nursing Practice. 2 Hours.
This course provides an in-depth analysis of the role of the advanced practice nurse. That knowledge is needed to conceptualize and identify with relevant historic, current and future practice issues inherent in the role. Both state and national legislation and trends are addressed, as they relate to the effective and appropriate use of advanced practice nurses within the rapidly changing healthcare system.

NU 704. Advanced Health Assessment. 3 Hours.
The focus of this course is the assessment of total health status of adult patients. The course is designed to enable the student to develop diagnostic reasoning skills and to utilize a regional approach to physical examination. Instruction builds upon the health assessment skills of the experienced RN/BSN and includes a laboratory practicum that provides the student with opportunities to apply new knowledge and practice in the areas of physical examination. Students will perform complete physical exams on each other and standardized patients – obtaining health histories, performing physical examinations and documenting findings. Along the way, students will learn more about the importance of providing high-quality care that is culturally competent, the process of developing a list of Differential Diagnoses and appropriate ordering of diagnostics. Prerequisite(s): NU 700 and NU 706.

NU 705. Advanced Psychopharmacology. 3 Hours.
This course reviews the application of pharmacotherapeutic principles to psychiatric disorders across the lifespan. Major class of medications include antidepressants, mood stabilizers, psychostimulants, antipsychotic medications, anxiolytics and off label use. Students review in detail the indications, contraindications, side effects and adverse reactions and drug interactions. In addition, the course addresses the use of herbal remedies, homeopathy and diet. The course places special emphasis on the applications of psychopharmacology to clinical case studies across the lifespan, including children, adolescents, adults, and geriatric populations. Prerequisite(s): NU 700 and NU 702 and NU 706 and NU 707.

NU 706. Advanced Pathophysiology. 3 Hours.
This course examines the reaction of the body to disease throughout the lifespan. Using a conceptual approach that is designed to integrate knowledge from basic and clinical sciences, it focuses on alterations in biological processes which affect the body’s dynamic equilibrium. Alterations at the cellular and organ level are presented and include genetic, metabolic, infectious, immunologic, degenerative, and neoplastic processes. Clinical problems will be developed and explored to facilitate the acquisition of critical thinking, problem-solving and evaluation skills needed by practitioners in the management of clients with chronic and acute health problems.

NU 707. Neurobiology. 3 Hours.
This course focuses on the study of brain, mind and behavior and examines the neuroanatomical, neurophysiological, and biochemical foundations of cognition, mood, emotion, affect, and behavior and the interactions among them. It takes into consideration both internal and external influences across a person's life span. Included is an overview of brain functioning and mechanisms of neurotransmission, genetics, the effects of other body systems such as the endocrine and immune systems, temperament, and the environment. Prerequisite(s): NU 706.

NU 710. Nursing Research. 3 Hours.
This course explores the principles and uses of the research process in Advanced Practice Nursing. The graduate nursing student will become an active participant in the research experience and be prepared to develop, write and present a research proposal. Content will focus on evidence-based practice, understanding the role of a nurse practitioner as researcher, and the development of a research proposal that will be the foundation and beginning process of their scholarly project. Students are strongly encouraged to develop a proposal that includes interprofessional collaboration. Prerequisite(s): NU 700.
NU 722. Adv Mental Hlth Asmt Across the Lifespan (168 Clinical Hrs). 5 Hours.
This course is designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 740. Public Health Policy Issues and Challenges. 3 Hours.
This course is designed to provide the graduate student with an opportunity to explore and evaluate the political process, fiscal policies, and their impact on public health and the health care system. The use of sociopolitical and ethical frameworks are interwoven with policy development. Opportunities are provided for students to critique public policy and determine how the behavior of health professional’s impact governmental decisions and regulatory processes. Students will explore legislative processes, state/federal policies, and analyze current legislative and policy issues.

NU 799. Special Topics in Nursing. 1-3 Hour.
Selected topics in nursing are offered under the guidance of graduate faculty. The course enhances students knowledge of advanced practice nursing, building on previous knowledge of nursing and healthcare in today's complex and rapidly changing healthcare system. This course may be used as an elective in the student's program of study and may be taken more than once as long as different topics are taken.

NU 801. Adv Mntl Hlth Assmt Across the Lifespan(168 Clinical Hrs). 5 Hours.
NU 801 is a hybrid course designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 802. Family Health II -- Adult-Gero Health (168 Internship Hours). 6 Hours.
This course explores relevant practice issues in the health care of adults and families. Primary focus is on the assessment of acute and chronic health problems experienced by this population, as well as health promotion/disease prevention activities. The precepted internship experience gives students an opportunity to provide primary care to adults of any age. In the course, students continue to further explore the interprofessional collaborative role in both the classroom and clinical setting. Prerequisite(s): NU 700 and NU 702 and NU 704.

NU 806. Family Health IV-Integrating Primary Care (168 Intern. Hrs.). 6 Hours.
This is the culminating internship course in the program. The focus is on synthesizing the knowledge and clinical management skills from previous courses in preparation for the transition from graduate student to novice nurse practitioner. The course emphasizes the importance of integrating patient care by collaborating with other healthcare providers particularly in regard to improving patient safety and health outcomes. Students take part in seminars that allow them to thoroughly explore both clinical and non-clinical issues frequently noted in primary care. At the same time, students become familiar with the newest clinical guidelines for disorders most commonly seen in primary care. Information is provided and discussed in four on-campus/virtual sessions, weekly Journal Club requirements and will culminate with the presentation of Capstone projects. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 802 and NU 807 and NU 808.

NU 807. Family Health I -- Pediatrics (168 Internship Hours). 6 Hours.
The focus of this course explores theories and the practice of health care for children from infancy through adolescence within a context of family health care. The course will focus on health promotion and acute and chronic illness conditions experienced by these childbearing and childrearing families. This course will focus on health-illness issues experienced by this population in underserved rural and urban areas. The clinical practicum experience will present the advanced practice nursing student with clinical experience in assessing, planning, and managing care for families in these age groups at a variety of clinical sites. Opportunities will be available in both the classroom and clinical setting to further explore the roles inherent to the advanced practice nurse who provides primary health care to these clients. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 808. Family Health III -- Women’s Health (168 Internship Hours). 6 Hours.
This course explores the theories and practice of healthcare for women within the context of the family. It also focuses on health promotion and acute or chronic illness that may be experienced particularly by childbearing families. The internship will present the family nurse practitioner student with precepted experiential learning in assessing, planning and managing women’s health from a primary care perspective. Particular emphasis will be placed on the importance of collaborating with other health care professionals in order to achieve patient safety and optimal health outcomes. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 809. Adv Women's Health Assessment II (w/168 Intern Hrs). 6 Hours.
Building on previous study in women’s health, students begin to critically examine and address concepts and research related to issues of women from adolescence to menopause. This course focuses on the advanced practice nursing knowledge necessary for the comprehensive assessment and health management of individuals and families during the childbearing years. Particular attention will be paid to the pre-, ante- and post-natal periods. Concepts include human sexuality, disease prevention, pregnancy/childbirth and urogynecological issues as well as the social and political determinants of health. Prerequisite(s): NU 808.
NU 810. Family Psychiatric Nursing I (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner's role in the
delivery of mental health care for mentally ill individuals and families
across the lifespan. Students examine the theories relevant to family
therapy and individual psychotherapy, as well as psychopharmacological
and alternative treatments. Practicum experiences focus on student
application of family interventions and therapy as well as individual
interventions and psychotherapy in acute and chronic care settings.
Populations include children, adolescents, adults, and geriatric
individuals. Prerequisite(s): NU 702 and NU 705 and NU 710 and NU 722.

NU 811. Women's Health Iss - A Public Health Approach to Care & Pol. 3
Hours.
Consistent with the emerging definitions of women's health and women's
health practice, this course examines a full range of health issues unique
to women. Women's health specialization includes prevention, the
societal and political determinants of health, patient education and
reconceptualization of women's relationships with health care providers.
Health assessment and maintenance as well as disease identification
and treatment will be presented on a wellness to illness continuum.
Students develop a woman-centered holistic approach to care—the
central concept in women's health nursing practice.

NU 812. Family Psychiatric Nursing II (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner's role in the
delivery of primary mental health care across the lifespan. The
course emphasizes promoting optimum mental health, preventing
mental illness, health maintenance, and preventing new occurrences
of mental illness. Students examine theories relevant to group therapy
interventions and consultation, as well as psychopharmacological and
alternative treatments. The advanced practice nursing student will
develop interventions and programs that reduce stressors and maximize
mental health for individuals of all ages and communities. Prerequisite(s):
NU 810.

NU 813. Advanced Women's Health Assessment III (w/168 Intern Hrs). 6
Hours.
Students in this course will examine the unique issues and needs of the
peri- and post-menopausal woman. There will be significant focus on
the issues of healthy aging, sexuality, urogynecologic and hormonal
changes affecting women as they move beyond the childbearing years.
Prerequisite(s): NU 808 and NU 809.

NU 814. Family Psychiatric Nursing III (210 Clinical Hours). 6 Hours.
In this course, the psychiatric nurse practitioner's role is further
developed as the learner integrates psychiatric theory and practice
skills while intervening with the chronically mentally ill in rural settings.
Emphasis is on integration of psychotherapeutic, pharmacological,
alternative therapeutic approaches, including crisis intervention and case
management. During the practicum experiences, students coordinate
care and advocate for special populations of individuals, families, and
groups across the lifespan. Prerequisite(s): NU 812.

NU 816. Psychiatric NP Internship/Practicum. 3 Hours.
Class - 1.5 Credits, Clinical - 9 Hours/Week (Total 126 Hours) This is an
intensive clinical internship that prepares students to practice in the role
of a psychiatric nurse practitioner. Building on biopsychosocial theories,
the student will deliver comprehensive holistic primary mental health care
to clients. Students will conduct comprehensive assessment, including
diagnosis of and referral for physical health problems. Additionally,
clinical experiences will include ordering and interpreting laboratory
and diagnostic studies. Comprehensive medication management of
psychiatric clients will include an in-depth knowledge of psychotropic
medications, acceptable prescribing practices and monitoring for side
effects and efficacy. Students will present case studies with decision-
making trees during seminars to explore relevant clinical and non-clinical
issues. Prerequisite(s): NU 702 and NU 704 and NU 706.

NU 818. Family Psychiatric Nurse Practitioner Practicum. 2 Hours.
This is an intensive clinical internship that prepares students to
practice in the role of a family psychiatric nurse practitioner. It will
broaden the depth of content and practice that students have already
assimilated in the areas of child and adolescent psychotherapy and
psychopharmacology. Building on biopsychosocial theories, the student
will deliver holistic primary mental health care to clients. Students
will conduct comprehensive assessments, including diagnosis of and
referral for physical health problems. Clinical experiences will be on
therapeutic treatment modalities and interventions with children and
adolescents, including therapy and psychopharmacology. Therapy
content will cover a range of therapeutic interventions from analytical
to behavioral, family, individual and group and long term to brief therapy.
Psychopharmacological content will include ordering and interpreting
laboratory and diagnostic studies, in-depth knowledge of psychotropic
medications, acceptable prescribing practices, monitoring for side
effects and efficacy, risk verses benefit and an understanding of normal growth
and development and what constitutes psychopathology. Students will
present case studies with decision-making trees during seminars to
explore relevant clinical and non-clinical issues.

NU 830. Teaching Learning Theories & Strategies in Health Education. 3
Hours.
This course focuses on the theoretical foundations and strategies of
teaching and learning in health education. The graduate health student
will explore the various learning theories and pedagogical frameworks
that guide the selection of instructional and learning strategies essential
for both faculty and students. Content will be delivered using a variety
of methodologies – classroom, multi-media on-line and on-line blog-
type discussion format. Course participants will identify the differences
and similarities in the learning theories specific to basic procedures of
learning, assumptions made about such learning, the role of the educator,
various sources of motivation to learn, and methods by which the transfer
of learning is accomplished. Prerequisite(s): NU 700 and NU 702 and
NU 704 and NU 706 and NU 710 and NU 730 and NU 740.

NU 832. Curriculum Development in Nursing Education. 3 Hours.
This course focuses on curriculum development that reflects
contemporary health care trends and prepares graduates to function
effectively within the context of continuously evolving nursing, health
care and educational systems. In this course the graduate nursing
student will design a curriculum that reflects institutional philosophy
and mission, current nursing and health care trends, and community
and societal needs so as to prepare nurses for practice in a complex,
dynamic, multicultural health care environment. Prerequisite(s): NU 700
and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.
NU 834. Assessment and Evaluation in Nursing Education. 3 Hours.
This course is designed to introduce learning evaluation concepts, including test and measurement, at the didactic, clinical, and programmatic levels. Course content will include strategies to assess and evaluate learning in the cognitive, psychomotor, and affective domains. Quality improvement, as well as legal and ethical considerations is explored within these concepts. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 740 and NU 710 and NU 730.

NU 836. Informatics and Technology in Health Education. 3 Hours.
The 3 credit course will explore the changing technology environment and its potential to impact on the delivery of quality, safe patient care. Infusing technology into educational programs is vital in preparing students to understand and meet the demands of caring for today’s patient populations. The course facilitates and enhances healthcare student’s knowledge, skills, and abilities to apply meaningful use of technology within their respective program of study. Focus will combine knowledge of healthcare professional, computers, social media, and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: technology’s impact on health profession work flow, legal, ethical and security considerations associated with select technology, and the impact of technology on the changing roles in healthcare will be discussed as they apply to clinical and consumer information technologies.

NU 838. Internship/Clinical Practicum in Nursing Education. 2-4 Hours.
This is the capstone clinical course in the nurse educator track. It involves the synthesis, refinement, and application of nursing, education, and evaluation theory in a variety of educational settings and integrated seminars. The bi-weekly seminars are framed within the context of established nurse educator scope of practice (NLN, 2005) and competencies (Council on Collegiate Education for Nursing, 2002; NLN, 2005) and students apply these in a variety of diverse academic and clinical settings under expert preceptor guidance. Graduate nursing students will create and share comprehensive portfolios demonstrating their ability to plan, deliver, assess and refine effective professional education offerings in varied settings with diverse learners. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740 and NU 830 and NU 832 and NU 834 and NU 836.

NU 840. Nurse Educator Capstone. 1-3 Hour.
This is the culminating scholarly experience in the master’s program. Graduate nursing students will demonstrate mastery of one particular subject area in their specialty track by developing a scholarly project including an evidence based review of that topic. The Department of Nursing relies upon the definition of scholarly work provided in the American Association of Colleges of Nursing’s Position Statement on Defining Scholarship for the Discipline of Nursing (1999) that include significance to the profession, creativity, documentation, replication and peer review. The course allows students to develop such a project in close advisement with a faculty mentor(s) and to present that scholarship through a formal presentation, submitted paper, and a manuscript for publication or professional presentation. Prerequisite(s): NU 710.

Family Psychiatric Nurse Practitioner
Post-Masters Certificate
Psychiatric Mental Health Nurse Practitioner (Across the Lifespan) – Post-Master’s Certificate (PMC)
The Post-Master’s Certificate reflects Husson University’s on-going commitment to educate advanced practice nurses for the challenges of the new millennium, with a purpose of improving cost-effective access to mental health care across the lifespan – including children, adolescents, adults and the elderly – with a particular focus on underserved populations. The PMC enables MSN-prepared advanced practice nurses the opportunity to gain this additional clinical credential by taking the additional coursework required to allow them to sit for the national certifying board examination. Most advanced practice nurses will need to take NU 707 Neurobiology and NU 705 Advanced Psychopharmacology, in addition to the required four clinical courses. The biopsychosocial orientation to mental illness enables the student to develop the theoretical and research foundations of practice that emphasize the integration of both neurobiological and psychosocial sciences. Husson now has begun offering all graduate programming online with an on-campus requirement of ~ one week/year of study (usually in May).

NU 700 Theories and Roles for Advanced Nursing Practice 3

NU 702 Advanced Pharmacotherapeutics * 3
NU 704 Advanced Health Assessment * 3
NU 705 Advanced Psychopharmacology 3
NU 706 Advanced Pathophysiology * 3
NU 707 Neurobiology 3
NU 710 Nursing Research * 3
NU 722 Advanced Mental Health Assessment Across the Lifespan (168 Clinical Hours) 5
NU 740 Public Health Policy Issues and Challenges * 3
NU 810 Family Psychiatric Nursing I (210 Clinical Hours) 6
NU 812 Family Psychiatric Nursing II (210 Clinical Hours) 6
**NU Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>NU 814</td>
<td>Family Psychiatric Nursing III (210 Clinical Hours)</td>
<td>6</td>
</tr>
<tr>
<td>NU 842</td>
<td>Family Psychiatric Nurse Practitioner Capstone *</td>
<td>1-3</td>
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</tbody>
</table>

Total Hours 48-50

* Student will not need to take this course if taken in previous MSN program.

**Bridge Program**

**Psychiatric Mental Health Nurse Practitioner (across the lifespan) “Bridge” Course**

In 2014, the American Nurses’ Credentialing Center (ANCC) made changes to the Psychiatric Nurse Practitioner certification process, resulting in the new certification “Psychiatric Mental Health Nurse Practitioner (across the lifespan).” In order to give our alumni an opportunity to attain this certification, Husson has developed a “Bridge Course,” approved by ANCC. Once completed, participants will be eligible to sit for the Psychiatric Mental Health Nurse Practitioner certification exam.

This course is open to any of our graduates who have obtained both a Masters in Psychiatric Nursing AND an Adult Psychiatric Nurse Practitioner Certificate of Advanced Study from Husson University, as well as those graduates who obtained both a Clinical Nurse Specialist in Adult Psychiatric Nursing Certificate of Advanced Study AND an Adult Psychiatric Nurse Practitioner Certificate of Advanced Study from Husson University.

NU 818 (28 hours = 2 cr) and the associated internship, NL 818 (252 hours = 3 cr), can be completed over one or two semesters and will focus on the behavioral growth and development of children and adolescents, as well as various types of therapeutic and psychopharmacological interventions. The course will be offered through hybrid technology, with the majority of content delivered via an on-line format; the minimum cohort size to deliver this program is ten (10). The opportunity to add this credential is only open this one time and will close completely in May 2017.

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>NU 818</td>
<td>Family Psychiatric Nurse Practitioner Practicum</td>
<td>2</td>
</tr>
<tr>
<td>NL 818</td>
<td>Family Psychiatric Nurse Practitioner Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

Student may take this course multiple times to gain total of 3 credits

Total Hours 5

**NL Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>NL 208</td>
<td>Clinical: Health Assessment. 0 Hours.</td>
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<tr>
<td>NL 211</td>
<td>Clinical:Nursing Interven I. 0 Hours.</td>
<td></td>
</tr>
<tr>
<td>NL 212</td>
<td>Clinical:Nursing Interven II. 0 Hours.</td>
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<tr>
<td>NL 315</td>
<td>Clinical:Child Health. 0 Hours.</td>
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<tr>
<td>NL 322</td>
<td>Clinical:Adult/Family Hlth I. 0 Hours.</td>
<td></td>
</tr>
<tr>
<td>NL 323</td>
<td>Clinical:Adult/Family Hlth II. 0 Hours.</td>
<td></td>
</tr>
<tr>
<td>NL 324</td>
<td>Clinical:Maternal and Newborn Nursing. 0 Hours.</td>
<td></td>
</tr>
<tr>
<td>NL 412</td>
<td>Clinical:Community Health. 0 Hours.</td>
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<tr>
<td>NL 422</td>
<td>Clinical:Comm Mental Health. 0 Hours.</td>
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<tr>
<td>NL 427</td>
<td>Senior Practicum. 4 Hours.</td>
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Senior Practicum is a preceptorship experience for senior nursing students at an assigned healthcare setting. The preceptorship experience is based on the model from the National Council State Board of Nursing Transitions to Practice so as to help students prepare for the transition to professional practice. Prerequisite(s): NU 315 and NU 323 and NU 324 and College Level=Senior.

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>NL 499</td>
<td>Clinical*. 0 Hours.</td>
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<tr>
<td>NL 722</td>
<td>Clinical:Adv Mental Hlth. 0 Hours.</td>
<td></td>
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<tr>
<td>NL 810</td>
<td>Clinical:Psychiatric Nursing I. 0 Hours.</td>
<td></td>
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<tr>
<td>NL 812</td>
<td>Clinical:Psych Nursing II. 0 Hours.</td>
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<tr>
<td>NL 814</td>
<td>Clinical:Psych Nursing III. 0 Hours.</td>
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<tr>
<td>NL 815</td>
<td>Women’s Health NP - Final Practicum (352 Hours). 6 Hours.</td>
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<tr>
<td>NL 816</td>
<td>Clinical: Psychiatric NP Internship/Practicum. 0 Hours.</td>
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This is an intensive clinical internship that prepares students to practice in the role of a family psychiatric nurse practitioner. It will broaden the depth of content and practice that students have already assimilated in the areas of child and adolescent psychotherapy and psychopharmacology. Building on biopsychosocial theories, the student will deliver holistic primary mental health care to clients. Students will conduct comprehensive assessments, including diagnosis of and referral for physical health problems. Clinical experiences will be on therapeutically intervention modalities and interventions with children and adolescents, including therapy and psychopharmacology. Therapy content will cover a range of therapeutic interventions from analytical to behavioral, family, individual and group and long term to brief therapy. Psychopharmacological content will include ordering and interpreting laboratory and diagnostic studies, in-depth knowledge of psychotropic medications, acceptable prescribing practices, monitoring for side effects and efficacy, risk verses benefit and an understanding of normal growth and development and what constitutes psychopathology. Students will present case studies with decision-making trees during seminars to explore relevant clinical and nonclinical issues.

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<tr>
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<tbody>
<tr>
<td>NL 830</td>
<td>Clinical: Teach Learn Theories and Strategies in Nurse Ed. 0 Hours.</td>
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Clinical. Prerequisite(s): NU 700 and NU 704 and NU 706.
NL 832. Clinical: Curriculum Development in Nursing Education. 0 Hours.
Clinical. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 830.

NL 834. Clinical: Assessment and Evaluation in Nursing Education. 0 Hours.
Clinical. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 830 and NU 832.

NL 836. Clinical: Informatics and Technology in Nursing Education. 0 Hours.
Clinical. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 830 and NU 832.

NL 838. Internship/Clinical Practicum in Nursing Education. 0 Hours.
Clinical. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 830 and NU 832 and NU 834.

NU Courses

NU 100. Professional Concepts in Nursing. 3 Hours.
The major focus of this course is on preparing students for the rigorous nursing curriculum. Topics include the essence of baccalaureate nursing and the curriculum design. Also included are discussions aimed to enhance student success, including self assessment and identification of learning styles. The major concepts of this nursing course will provide a framework for the individual's program of study. They include, but are not limited to, critical thinking, the nursing process, teaching/learning, and an introduction to ethical and legal concerns in the nursing profession.

NU 208. Health Assessment. 4 Hours.
The emphasis of this course is on the health assessment of an adult. Evidence-based health promotion and disease prevention goals, risk assessment, and client education are highlighted. In the classroom and clinical laboratory, the student will learn to gather subjective and objective data about a client's health status utilizing face-to-face interviews and physical examination techniques, as well as by making use of a digital clinical experience. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222.

NU 211. Nursing Intervention I. 3 Hours.
This course introduces concepts of patient care and basic nursing interventions used in caring for individuals throughout the lifespan. Learners will use the classroom and skills laboratory to gain beginning competence in nursing theory, nursing process, basic nursing skills, therapeutic communication, and critical thinking. Students will also develop an awareness of diverse cultural beliefs and values in relation to health care. A major focus will be on the nurse's role in the safe delivery of care. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222.

NU 212. Nursing Intervention II. 4 Hours.
This course is the second half of NU 211 and focuses on knowledge and skills that are fundamental to nursing care throughout the lifespan and regardless of disease entity. Using the classroom, lab, and clinical placements, learners will demonstrate competence in the application of the nursing process in the planning and delivery of nursing care. Themes of growth and development, cultural diversity, evidence-based practice, and critical thinking will be threaded throughout. Skills and knowledge learned in this course are foundational to learning throughout the rest of the curriculum. Prerequisite(s): NU 211.

NU 214. Pharmacology. 3 Hours.
This course builds upon students' knowledge of anatomy, physiology, chemistry and the nursing process. It is designed to provide the knowledge required for the safe administration of drugs and teaching with patients across the life span. Actions, therapeutic uses, interactions and side effects of major drug classifications, as well as nursing responsibilities related to drug administration to patients across the life span are examined. Prerequisite(s): NU 211.

NU 299. Topic/. 1 Hour.
Selected topics in nursing are considered. The course enhances students' knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 315. Child Health. 5 Hours.
This course addresses the care of ill children and their families. Adaptation theory will be used as the theoretical framework for nursing assessments, interventions, and evaluations. The nursing process is applied relative to this population. This course encompasses diagnostic and therapeutic techniques. Clinical opportunities are provided in the acute care setting. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234.

NU 320. Nursing Research. 3 Hours.
Students will understand the basic concepts, processes, and applications of quantitative and qualitative research. Students will analyze the role and implication of nursing research and research within other disciplines on the nursing profession. Prerequisite(s): MS 132.

NU 322. Adult/Family Health I. 5 Hours.
This course facilitates the integration of knowledge and skills acquired from previous courses. The emphasis is on understanding the nurse's role in uncomplicated acute and chronic illness with predictable outcomes within changing practice environments across the spectrum of health and illness. In a learner-centered classroom and simulation environment, analytical and experiential learning activities are provided which encourage active participation in demonstrating clinical reasoning and judgment in meeting the health care needs of clients/family. The goal is for the learner to be able to approach client care conceptually, so that care is designed with a focus on prioritization and solid understanding of rationales. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 333 and SC 234.

NU 323. Adult/Family Health II. 5 Hours.
This course facilitates students' integration of knowledge gained from previous courses, and expands students' knowledge from previous learning experiences. Theoretical and conceptual models and related research provide the foundation for expanding health assessment and clinical practice skills. Analytical and experiential learning activities are provided which encourage active participation in demonstrating decision-making skills and judgment in meeting the health care needs of clients/family. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234 and NU 322.

NU 324. Maternal and Newborn Nursing. 5 Hours.
The focus of this course is the childbearing family. Concepts related to pre-pregnancy issues, pregnancy, the fetus/newborn, and the post delivery family are presented. Physiologic, social, and cultural issues, as they relate to the childbearing family, are included. Clinical experiences occur in a variety of settings, including inpatient, educational, and community settings. Prerequisite(s): SC 233 and SC 234 and SC 241 and NU 208 and NU 211 and NU 212 and NU 214.
NU 412. Community Health. 5 Hours.
This course builds upon the student’s broad base of knowledge in the natural and social sciences, humanities, and previous nursing content. Attention is directed toward assessment of biopsychosocial stressors of the individual, family, group, and community and their adaptation to changes in the environment. Prerequisite(s): NU 322 and NU 323 and NU 324 and NU 320 and NU 315.

NU 422. Community Mental Health. 5 Hours.
This course focuses on behaviors, which occur when individuals, families, and groups in the community are unable to cope effectively with acute and chronic biopsychosocial and cultural stressors. Relevant theories and theoretical formulations are used in order to promote an understanding of individual, family, group, and community dynamics. Within the framework of the nursing process, self-knowledge and intervention skills are developed which allow the student to assist individuals, families, and groups in their adaptation to internal and external stressors. Prerequisite(s): NU 320 and NU 322 and NU 323 and NU 324 and NU 315.

NU 424. Adult / Family Health III. 3 Hours.
This course is the last in a sequence of adult health. It is designed to integrate and expand previous learning, clinical and leadership experiences of the student. Students will participate in scenarios that require them to critically analyze and apply research, theories and educational models of teaching/learning processes. Clinical practice provides the opportunity to synthesize knowledge and demonstrate diagnostic reasoning, critical decision-making and delegation. Engaged ethical and clinical reasoning occurs with student’s involvement in the management of adult, family, and groups in complex clinical health care situations with expert nurse partners and faculty. This partnership creates a way to understand and guide analytical and experiential learning. These clinical partnerships take place in a variety of clinical settings. Prerequisite(s): NU 322 and NU 323.

NU 425. Nursing Senior Capstone. 1-2 Hour.
The capstone course is an opportunity for the student to demonstrate that he or she has achieved the terminal outcomes of the Husson/EMMC Baccalaureate Nursing Program. The capstone promotes connection between knowledge, skills, and attitudes learned in both general education and nursing courses. This course is student centered and student directed and will facilitate the graduate’s transition to the professional world. Prerequisite(s): NU 315 and NU 320 and NU 322 and NU 324.

NU 426. Policy Leadership and Management in Nursing. 3 Hours.
This course provides a conceptual and practical basis for examining professional nursing leadership roles. Emphasis is placed on accountability in regulated systems, management of complex organizations, and principles of advocacy aimed at the promotion of health and quality health systems. Prerequisite(s): College Level=Senior.

NU 431. Wound Management. 3 Hours.
Focus is on utilization of the Nursing Process in the provision of care to clients with chronic wounds. Emphasis is placed on client/family education and the use of evidence-based practice in wound management. Prerequisite(s): NU 208 and NU 212.

NU 432. Caring, Spirituality & Culture. 3 Hours.
This course is designed to provide the undergraduate nursing student with a working knowledge of how the concepts of caring, culture and spirituality influence health status and health related behaviors. The focus of the course is to explore these concepts, their meanings and implications, and to utilize the concepts when providing or planning holistic nursing care for diverse clients, families, groups, and communities.

NU 433. Gerontological Nursing. 3 Hours.
Course is to address the professional nursing role in providing and coordinating health care for the elderly population. Content provided is to address physical, emotional, social and spiritual needs of older adults. The nursing process will identify individual and family issues for professional nurse to serve as a conduit for skills and information to promote successful aging. Prerequisite(s): NU 208 and NU 212.

NU 435. History of Women’s Health. 3 Hours.
An elective course that explores the progression of the women’s health movement in the U.S. from the 1800’s to present day. Ideas about women’s bodies as an entity of wellness and illness in the context of medicine and the feminist movement will be discussed and researched in this seminar-type class. The student will gain an understanding of the struggles as well as the accomplishments of important historical figures and their concepts. Traditional women healers from lay to professional will be researched for an understanding of how women receive health care in 2008. Race, ethnicity, disability, sexuality and class will be examined looking at individual perspectives of health and care. Prerequisite(s): NU 208 and NU 212.

NU 441. Role Transition to BSN. 3 Hours.
In this course, students examine the transition of the Registered Nurse (RN) to the professional role of pursing an advanced degree at the baccalaureate or graduate level. As the entry course for the RN-to-BSN program, students are provided with networking and mentoring opportunities with peers and faculty. Professional bases for nursing practice, critical abilities for today’s professional nurse, and role of continuous quality improvement and safety in healthcare systems are explored. This course is offered in a hybrid format.

NU 442. Health Informatics & Technology. 3 Hours.
In this course, students explore the changing technology environment and its potential impact on the delivery of quality, safe patient care. The course combines knowledge of nursing, computers and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: (a) technology’s impact on nursing workflow, (b) legal and ethical considerations associated with select technology, and (c) the impact of technology on the changing role of the nurse. This course is offered in a hybrid format.

NU 443. Quality Improvement in Healthcare Systems. 3 Hours.
In this course, students are introduced to competencies necessary for studying clinical microsystems and examining their influence on patient safety, satisfaction, and other clinical outcomes. Students will apply: (a) quality improvement assessment tools and models within a microsystem, (b) continuous quality improvement theory, (c) evidence-based practice, (d) performance improvement methods, and (e) the development of team-based problem solving and resolution. This course is offered in a hybrid format.
NU 444. BSN Capstone Practice (with 42 Practicum Hours). 3 Hours.
This is the culminating scholarly experience in the RN-to-BSN program of study. Students will focus on synthesis and integration of complex concepts relevant to their scope of practice, and leadership and management skills in complex organizational environments. Emphasis is placed on the application of leadership principles through an evidence-based capstone project. This course is offered in a hybrid format. Prerequisite(s): NU 441 and NU 442 and NU 443 and NU 706 and NU 710 and NU 740.

NU 499. Topic. 1-3 Hour.
Selected topics in nursing are considered. The course enhances students’ knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 700. Theories and Roles for Advanced Nursing Practice. 3 Hours.
This course is designed to provide an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. The importance of the role of the Advanced Practice Nurse in Interprofessional Collaboration is also explored. Emphasis is placed on the relevant historic, current and future practice issues inherent in the varied aspects of advanced practice nursing. The course also examines legislative issues and trends at both state and national levels, as they relate to the effective and appropriate role of advanced practice nurses within our rapidly changing healthcare system.

NU 701. Theories for Advanced Nursing Practice. 2 Hours.
This course provides an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. These theories reflect important contributions from both the nursing profession and non-nursing disciplines. The course provides a historical perspective and analysis of nursing theorists from Nightingale to emerging theorists and includes an introduction to theories fundamental to advanced practice nursing, such as role theory and family nursing theory.

NU 702. Advanced Pharmacotherapeutics. 3 Hours.
This course builds upon undergraduate understanding of pharmacological principles and agents by preparing students to evaluate and prescribe medications for common acute and chronic health problems seen in the primary care setting. Students will examine the regulatory aspects of drug administration and prescription from the perspective of advanced nursing practice. The focal point of the class will be the development of clinical decision-making skills essential to safe and effective pharmacologic intervention. Current concepts in pharmacologic therapies as part of the treatment of commonly encountered health problems will be stressed. The importance of collaboration between Advanced Practice Nurses and Pharmacy colleagues will be addressed, particularly in regard to patient safety and treatment efficacy. Prerequisite(s): NU 700 and NU 706.

NU 703. Roles for Advanced Nursing Practice. 2 Hours.
This course provides an in-depth analysis of the role of the advanced practice nurse. That knowledge is needed to conceptualize and identify with relevant historic, current and future practice issues inherent in the role. Both state and national legislation and trends are addressed, as they relate to the effective and appropriate use of advanced practice nurses within the rapidly changing healthcare system.

NU 704. Advanced Health Assessment. 3 Hours.
The focus of this course is the assessment of total health status of adult patients. The course is designed to enable the student to develop diagnostic reasoning skills and to utilize a regional approach to physical examination. Instruction builds upon the health assessment skills of the experienced RN/BSN and includes a laboratory practicum that provides the student with opportunities to apply new knowledge and practice in the areas of physical examination. Students will perform complete physical exams on each other and standardized patients – obtaining health histories, performing physical examinations and documenting findings. Along the way, students will learn more about the importance of providing high-quality care that is culturally competent, the process of developing a list of Differential Diagnoses and appropriate ordering of diagnostics. Prerequisite(s): NU 700 and NU 706.

NU 705. Advanced Psychopharmacology. 3 Hours.
This course reviews the application of pharmacotherapeutic principles to psychiatric disorders across the lifespan. Major class of medications include antidepressants, mood stabilizers, psychostimulants, antipsychotic medications, anxiolytics and off label use. Students review in detail the indications, contraindications, side effects and adverse reactions and drug interactions. In addition, the course addresses the use of herbal remedies, homeopathy and diet. The course places special emphasis on the applications of psychopharmacology to clinical case studies across the lifespan, including children, adolescents, adults, and geriatric populations. Prerequisite(s): NU 700 and NU 702 and NU 706 and NU 707.

NU 706. Advanced Pathophysiology. 3 Hours.
This course examines the reaction of the body to disease throughout the lifespan. Using a conceptual approach that is designed to integrate knowledge from basic and clinical sciences, it focuses on alterations in biological processes which affect the body’s dynamic equilibrium. Alterations at the cellular and organ level are presented and include genetic, metabolic, infectious, immunologic, degenerative, and neoplastic processes. Clinical problems will be developed and explored to facilitate the acquisition of critical thinking, problem-solving and evaluation skills needed by practitioners in the management of clients with chronic and acute health problems.

NU 707. Neurobiology. 3 Hours.
This course focuses on the study of brain, mind and behavior and examines the neuroanatomical, neurophysiological, and biochemical foundations of cognition, mood, emotion, affect, and behavior and the interactions among them. It takes into consideration both internal and external influences across a person’s life span. Included is an overview of brain functioning and mechanisms of neurotransmission, genetics, the effects of other body systems such as the endocrine and immune systems, temperament, and the environment. Prerequisite(s): NU 706.

NU 710. Nursing Research. 3 Hours.
This course explores the principles and uses of the research process in Advanced Practice Nursing. The graduate nursing student will become an active participant in the research experience and be prepared to develop, write and present a research proposal. Content will focus on evidence-based practice, understanding the role of a nurse practitioner as researcher, and the development of a research proposal that will be the foundation and beginning process of their scholarly project. Students are strongly encouraged to develop a proposal that includes interprofessional collaboration. Prerequisite(s): NU 700.
NU 722. Adv Mental Hlth Asmt Across the Lifespan (168 Clinical Hrs). 5 Hours.
This course is designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 740. Public Health Policy Issues and Challenges. 3 Hours.
This course is designed to provide the graduate student with an opportunity to explore and evaluate the political process, fiscal policies, and their impact on public health and the health care system. The use of sociopolitical and ethical frameworks are interwoven with policy development. Opportunities are provided for students to critique public policy and determine how the behavior of health professional's impact governmental decisions and regulatory processes. Students will explore legislative processes, state/federal policies, and analyze current legislative and policy issues.

NU 799. Special Topics in Nursing. 1-3 Hour.
Selected topics in nursing are offered under the guidance of graduate faculty. The course enhances students knowledge of advanced practice nursing, building on previous knowledge of nursing and healthcare in today's complex and rapidly changing healthcare system. This course may be used as an elective in the student's program of study and may be taken more than once as long as different topics are taken.

NU 801. Adv Mntl Hlth Assmt Across the Lifespan (168 Clinical Hrs). 5 Hours.
NU 801 is a hybrid course designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 802. Family Health II -- Adult-Gero Health (168 Internship Hours). 6 Hours.
This course explores relevant practice issues in the health care of adults and families. Primary focus is on the assessment of acute and chronic health problems experienced by this population, as well as health promotion/disease prevention activities. The precepted internship experience gives students an opportunity to provide primary care to adults of any age. In the course, students continue to further explore the interprofessional collaborative role in both the classroom and clinical setting. Prerequisite(s): NU 700 and NU 702 and NU 704.

NU 806. Family Health IV--Integrating Primary Care (168 Intern. Hrs.). 6 Hours.
This is the culminating internship course in the program. The focus is on synthesizing the knowledge and clinical management skills from previous courses in preparation for the transition from graduate student to novice nurse practitioner. The course emphasizes the importance of integrating patient care by collaborating with other healthcare providers particularly in regard to improving patient safety and health outcomes. Students take part in seminars that allow them to thoroughly explore both clinical and non-clinical issues frequently noted in primary care. At the same time, students become familiar with the newest clinical guidelines for disorders most commonly seen in primary care. Information is provided and discussed in four on-campus/virtual sessions, weekly Journal Club requirements and will culminate with the presentation of Capstone projects. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 802 and NU 807 and NU 808.

NU 807. Family Health I -- Pediatrics (168 Internship Hours). 6 Hours.
The focus of this course explores theories and the practice of health care for children from infancy through adolescence within a context of family health care. The course will focus on health promotion and acute and chronic illness conditions experienced by these childbearing and childrearing families. This course will focus on health-illness issues experienced by this population in underserved rural and urban areas. The clinical practicum experience will present the advanced practice nursing student with clinical experience in assessing, planning, and managing care for families in these age groups at a variety of clinical sites. Opportunities will be available in both the classroom and clinical setting to further explore the roles inherent to the advanced practice nurse who provides primary health care to these clients. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 808. Family Health III -- Women's Health (168 Internship Hours). 6 Hours.
This course explores the theories and practice of healthcare for women within the context of the family. It also focuses on health promotion and acute or chronic illness that may be experienced particularly by childbearing families. The internship will present the family nurse practitioner student with precepted experiential learning in assessing, planning and managing women's health from a primary care perspective. Particular emphasis will be placed on the importance of collaborating with other health care professionals in order to achieve patient safety and optimal health outcomes. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 809. Adv Women's Health Assessment II (w/168 Internship Hrs). 6 Hours.
Building on previous study in women's health, students begin to critically examine and address concepts and research related to issues of women from adolescence to menopause. This course focuses on the advanced practice nursing knowledge necessary for the comprehensive assessment and health management of individuals and families during the childbearing years. Particular attention will be paid to the pre-, ante- and post-natal periods. Concepts include human sexuality, disease prevention, pregnancy/childbirth and urogynecological issues as well as the social and political determinants of health. Prerequisite(s): NU 808.
NU 810. Family Psychiatric Nursing I (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner’s role in the delivery of mental health care for mentally ill individuals and families across the lifespan. Students examine the theories relevant to family therapy and individual psychotherapy, as well as psychopharmacological and alternative treatments. Practicum experiences focus on student application of family interventions and therapy as well as individual interventions and psychotherapy in acute and chronic care settings. Populations include children, adolescents, adults, and geriatric individuals. Prerequisite(s): NU 702 and NU 705 and NU 710 and NU 722.

NU 811. Women’s Health Iss - A Public Health Approach to Care & Pol. 3 Hours.
Consistent with the emerging definitions of women’s health and women’s health practice, this course examines a full range of health issues unique to women. Women’s health specialization includes prevention, the societal and political determinants of health, patient education and reconceptualization of women’s relationships with health care providers. Health assessment and maintenance as well as disease identification and treatment will be presented on a wellness to illness continuum. Students develop a woman-centered holistic approach to care—the central concept in women’s health nursing practice.

NU 812. Family Psychiatric Nursing II (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner’s role in the delivery of primary mental health care across the lifespan. The course emphasizes promoting optimum mental health, preventing mental illness, health maintenance, and preventing new occurrences of mental illness. Students examine theories relevant to group therapy interventions and consultation, as well as psychopharmacological and alternative treatments. The advanced practice nursing student will develop interventions and programs that reduce stressors and maximize mental health for individuals of all ages and communities. Prerequisite(s): NU 810.

NU 813. Advanced Women’s Health Assessment III (w/168 Intern Hrs). 6 Hours.
Students in this course will examine the unique issues and needs of the peri- and post-menopausal woman. There will be significant focus on the issues of healthy aging, sexuality, urogynecologic and hormonal changes affecting women as they move beyond the childbearing years. Prerequisite(s): NU 808 and NU 809.

NU 814. Family Psychiatric Nursing III (210 Clinical Hours). 6 Hours.
In this course, the psychiatric nurse practitioner’s role is further developed as the learner integrates psychiatric theory and practice skills while intervening with the chronic mentally ill in rural settings. Emphasis is on integration of psychotherapeutic, pharmacological, alternative therapeutic approaches, including crisis intervention and case management. During the practicum experiences, students coordinate care and advocate for special populations of individuals, families, and groups across the lifespan. Prerequisite(s): NU 812.

NU 816. Psychiatric NP Internship/Practicum. 3 Hours.
Class - 1.5 Credits, Clinical - 9 Hours/Week (Total 126 Hours) This is an intensive clinical internship that prepares students to practice in the role of a psychiatric nurse practitioner. Building on biopsychosocial theories, the student will deliver comprehensive holistic primary mental health care to clients. Students will conduct comprehensive assessment, including diagnosis and of and referral for physical health problems. Additionally, clinical experiences will include ordering and interpreting laboratory and diagnostic studies. Comprehensive medication management of psychiatric clients will include an in-depth knowledge of psychotropic medications, acceptable prescribing practices and monitoring for side effects and efficacy. Students will present case studies with decision-making trees during seminars to explore relevant clinical and non-clinical issues. Prerequisite(s): NU 702 and NU 704 and NU 706.

NU 818. Family Psychiatric Nurse Practitioner Practicum. 2 Hours.
This is an intensive clinical internship that prepares students to practice in the role of a family psychiatric nurse practitioner. It will broaden the depth of content and practice that students have already assimilated in the areas of child and adolescent psychotherapy and psychopharmacology. Building on biopsychosocial theories, the student will deliver holistic primary mental health care to clients. Students will conduct comprehensive assessments, including diagnosis of and referral for physical health problems. Clinical experiences will be on therapeutic treatment modalities and interventions with children and adolescents, including therapy and psychopharmacology. Therapy content will cover a range of therapeutic interventions from analytical to behavioral, family, individual and group and long term to brief therapy. Psychopharmacological content will include ordering and interpreting laboratory and diagnostic studies, in-depth knowledge of psychotropic medications, acceptable prescribing practices, monitoring for side effects and efficacy, risk verses benefit and an understanding of normal growth and development and what constitutes psychopathology. Students will present case studies with decision-making trees during seminars to explore relevant clinical and non-clinical issues.

NU 830. Teaching Learning Theories & Strategies in Health Education. 3 Hours.
This course focuses on the theoretical foundations and strategies of teaching and learning in health education. The graduate health student will explore the various learning theories and pedagogical frameworks that guide the selection of instructional and learning strategies essential for both faculty and students. Content will be delivered using a variety of methodologies – classroom, multi-media on-line and on-line blog-type discussion format. Course participants will identify the differences and similarities in the learning theories specific to basic procedures of learning, assumptions made about such learning, the role of the educator, various sources of motivation to learn, and methods by which the transfer of learning is accomplished. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.

NU 832. Curriculum Development in Nursing Education. 3 Hours.
This course focuses on curriculum development that reflects contemporary health care trends and prepares graduates to function effectively within the context of continuously evolving nursing, health care and educational systems. In this course the graduate nursing student will design a curriculum that reflects institutional philosophy and mission, current nursing and health care trends, and community and societal needs so as to prepare nurses for practice in a complex, dynamic, multicultural health care environment. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.
NU 834. Assessment and Evaluation in Nursing Education. 3 Hours.
This course is designed to introduce learning evaluation concepts, including test and measurement, at the didactic, clinical, and programmatic levels. Course content will include strategies to assess and evaluate learning in the cognitive, psychomotor, and affective domains. Quality improvement, as well as legal and ethical considerations is explored within these concepts. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 740 and NU 710 and NU 730.

NU 836. Informatics and Technology in Health Education. 3 Hours.
The 3 credit course will explore the changing technology environment and its potential to impact on the delivery of quality, safe patient care. Infusing technology into educational programs is vital in preparing students to understand and meet the demands of caring for today’s patient populations. The course facilitates and enhances healthcare student’s knowledge, skills, and abilities to apply meaningful use of technology within their respective program of study. Focus will combine knowledge of healthcare professional, computers, social media, and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: technology’s impact on health profession work flow, legal, ethical and security considerations associated with select technology, and the impact of technology on the changing roles in healthcare will be discussed as they apply to clinical and consumer information technologies.

NU 838. Internship/Clinical Practicum in Nursing Education. 2-4 Hours.
This is the capstone clinical course in the nurse educator track. It involves the synthesis, refinement, and application of nursing, education, and evaluation theory in a variety of educational settings and integrated seminars. The bi-weekly seminars are framed within the context of established nurse educator scope of practice (NLN, 2005) and competencies (Council on Collegiate Education for Nursing, 2002; NLN, 2005) and students apply these in a variety of diverse academic and clinical settings under expert preceptor guidance. Graduate nursing students will create and share comprehensive portfolios demonstrating their ability to plan, deliver, assess and refine effective professional education offerings in varied settings with diverse learners. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740 and NU 830 and NU 832 and NU 834 and NU 836.

NU 840. Nurse Educator Capstone. 1-3 Hour.
This is the culminating scholarly experience in the master’s program. Graduate nursing students will demonstrate mastery of one particular subject area in their specialty track by developing a scholarly project including an evidence based review of that topic. The scholarly project is based on factors used by the American Association of Colleges of Nursing’s Position Statement on Defining Scholarship for the Discipline of Nursing (1999) that include significance to the profession, creativity, documentation, replication and peer review. The course allows students to develop such a project in close advisement with a faculty mentor(s) and to present that scholarship through a formal presentation, submitted paper, and a manuscript for publication or professional presentation. Prerequisite(s): NU 710.

NU 841. Family and Community Nurse Practitioner Capstone. 1-3 Hour.
This course is the culminating scholarly requirement for those in the MSN/FNP track. Graduate nursing students work together, in groups of two to four, to demonstrate mastery of a particular subject area significant to interprofessional primary care practice. A final paper, poster and oral presentation are required; submission of a manuscript for publication is optional. This course is offered on a one credit per semester basis in three of the four final semesters of coursework, for a required total of three credits. Prerequisite(s): NU 700 and NU 710.

NU 842. Family Psychiatric Nurse Practitioner Capstone. 1-3 Hour.
This is the culminating scholarly experience in the master’s program. Through this experience, graduate nursing students demonstrate mastery of a particular subject area in their specialty track by developing a scholarly project, including an evidence-based review of that topic. The scholarly project is based on factors used by the American Association of Colleges of Nursing’s Position Statement on Defining Scholarship for the Discipline of Nursing (1999) that include significance to the profession, creativity, documentation, replication and peer review. The course allows students to develop such a project in close advisement with a faculty mentor(s) and to present that scholarship through a formal presentation, submitted paper, and a manuscript for publication or professional presentation. Prerequisite(s): NU 710.

Graduate Program in Occupational Therapy
The graduate, MS-only, option is available for students who have already completed and possess an undergraduate degree in another field of study. This is a three-year graduate program leading to a Master of Science (MS) degree in Occupational Therapy. Graduate students do not need to meet the undergraduate general education requirements as they already have an undergraduate degree. They must, however, still meet the required pre-requisite courses. Graduate students must also meet the same criteria for grades and GPA as all other students in the occupational therapy program.

MISSION STATEMENT AND EDUCATIONAL GOALS
The mission of the Husson University School of Occupational Therapy is to prepare generalist practitioners who engage in client-centered contemporary practice and scholarship. We achieve this professional preparation by focusing on the following educational goals:

Goal 1. Provide a learning environment that ensures the development of professional and personal leadership skills and values grounded in ethics and self-reflection;

Goal 2. Promote best professional practice by developing students’ appreciation of health, wellness and meaningful participation in life through occupational engagement within and across diverse contexts and environments; and

Goal 3. Foster the development of evidence-based critical thinking and clinical reasoning in support of life-long learning.

ACCREDITATION
The following statement is from the website (http://www.aota.org/education-careers/accreditation.aspx) for the American Occupational Therapy Association (AOTA®).

• Accreditation has been a stated function of AOTA since 1923. AOTA’s Accreditation Council for Occupational Therapy Education (ACOTE®)
is recognized as the accrediting agency for occupational therapy education by both the United States Department of Education (USDE) and the Council for Higher Education Accreditation (CHEA). ACOTE is also an active member of the Association of Specialized and Professional Accreditors (ASPA). ACOTE currently accredits 347 occupational therapy and occupational therapy assistant educational programs in the United States and its territories.

The School of Occupational Therapy at Husson University was initially accredited in 2003 and has been continuously accredited since then. The next accreditation review will occur in the academic year 2022/2023.

Additional information about AOTA can be obtained on the AOTA webpage (http://www.aota.org/). AOTA and ACOTE can be contacted at 4720 Montgomery Lane, Suite 200, Bethesda Maryland 20824-3449. ACOTE’s telephone number c/o AOTA’s is (301) 652 AOTA. The web address for ACOTE is: http://www.aota.org/ and for more information about accreditation please see: http://www.aota.org/Education-Careers/Accreditation/Overview.aspx.

CERTIFICATION AND LICENSURE

Once students graduate with the MS in Occupational Therapy, they are eligible to take the National Board for Certification in Occupational Therapy (NBCOT) examination. Their address is: 800 S. Frederick Ave., Suite 200, Gaithersburg, MD 20877-4150 (301) 990 7979. After successful completion of this exam, you will be an Occupational Therapist Registered (OTR). All states require licensure in order to practice, however, state licenses are usually based on the results of the NBCOT examination. Please be aware that a felony conviction may affect a graduate's ability to sit for the NBCOT examination or attain state licensure.

Admission to the M.S. in Occupational Therapy

Applicants who have completed a 4-year undergraduate baccalaureate degree in another major and/or from another institution who would like an entry-level degree in occupational therapy may apply for the MS-only program. The Office of Graduate Admissions coordinates admission to the MS-only. Because MS only students already have an undergraduate degree they do not need to meet the general education requirements offered in the first two years of our program, but must meet pre-requisite courses listed below. The admissions requirements for this option include a bachelor's degree in a related or non-related field with a minimum overall GPA of 3.0. In addition all of the following pre-requisite course work must be completed with a grade of C+ or better prior to application to the M.S. in Occupational Therapy program:

- General Psychology
- Abnormal Psychology
- Statistics
- Introduction to Research
- Principles of Sociology or Cultural Anthropology
- Anatomy and Physiology - 8 credits (6 in course work; 2 in lab)
- Human Growth and Development

As with the BS applicants the program requires 20 hours of volunteering or “shadowing” an Occupational Therapist in at least two specialty areas of Occupational Therapy.

Applications for admission to the fall semester are due by May 1st and notice of acceptance will be sent by June 30th. The School of Occupational Therapy action on applications is acceptance, waiting list, or rejection; at this time conditional acceptance is not an option.

The Graduate Record Exam (GRE) is not required for application. All students in the School of Occupational Therapy must possess the essential skills and behaviors required of a professional therapist. Therefore, all occupational therapy students must possess the essential qualifications, referred to as Technical Standards, listed at the end of this document to meet admission, progression, and graduation requirements. Your application to this program indicates that you have read the Technical Standards and are qualified to meet them.

Financial Aid

Please contact the Office of Financial Aid with your specific questions regarding financial aid. Students in the MS-only are classified as graduate students for the three years of study.

Progression policy (MS in Occupational Therapy)

Graduate

- Attain and maintain a minimum 3.0 GPA in order to progress each semester in the graduate program (1st, 2nd, and 3rd years).
- No more than six (6) credits of graduate course work in the “C+” range can be applied toward the Masters degree.

All Occupational Therapy students – Undergraduate and Graduate

- All first year professional courses must be completed successfully with a grade of C+ or better in order to progress to the second year. All second year professional courses must be completed successfully with a grade of C+ or better in order to progress to Fieldwork Level II clinical experiences and to the third year of professional courses. This includes a letter grade of “Pass” for all Level I Fieldwork courses.
- Students are expected to be fulltime during the professional phase of the program. Under exceptional circumstances students may petition to be part-time. If the request is granted by the Faculty there is a prescribed sequence of courses students must take. Part-time students must complete the professional phase within 5 years of starting the professional phase whether they started as full time or part time students. All students must enroll fulltime in the final graduate year, known as the “5th year” in the curriculum. Again, exceptions will be considered on a case-by-case basis but will be the exception rather than an expectation.
- A maximum of two professional level courses may be repeated.
- Grade deficiencies should be removed during the subsequent semester or during Summer/Winter/May sessions whenever possible. For programmatic purposes, successfully repeating a course does not negate the original grade.
- Students must demonstrate professional behaviors as outlined in the Occupational Therapy Association Code of Ethics and Ethics Standards, 2010. Professional behaviors are considered for progression in the program and students may be dismissed from the program for violating the policy regardless of academic standing.

Course Repeat Policy

Students must repeat any core course in which they do not achieve a grade of 77% or better the first time they are enrolled in the course. When a course is repeated, a grade of “B” (83%) is required in order to
progress. A student who receives less than “B” (83%) the second time they take a core course may be dismissed from the OT program. Any withdrawal grade is considered an enrollment in the course.

Credit Hours

A) The credit hour translation used by the School of Occupational Therapy Program is consistent with the Carnegie Classification.

One (1) credit hour =
- 1 lecture hour
- 2 lab hours
- 2 seminar hours
- 13 hours of community service with assignments

B) Fieldwork requirements are reflected as:
- There are three Level I Fieldwork experiences consisting of 40 hours of experiential learning in combination with didactic coursework; each Level I Fieldwork is 1 credit hour.
- As dictated by the AOTA accrediting body, ACOTE, Level II Fieldwork requires a minimum of 24 weeks full-time placement for occupational therapy students. Typically, this is accomplished in two, 12 week placements. Each 12 week Level II Fieldwork placement is 6 credit hours for a total minimum of 12 credits hours of Fieldwork Level II. (ACOTE Standard C.1.13)

Grading Policies

- The system of evaluating a student’s achievement at Husson University in academic courses is by letter grade, with grade point values based upon an earned credit unit (see Husson University Catalog Academic Policies section – Grading system).
- The system of evaluating a student’s achievement in clinical fieldwork courses (Fieldwork Levels I & II) is by Pass/Fail grade. Fieldwork I is evaluated using the Maine Occupational Therapy Educators Alliance (MOTEA) – Evaluation form. Fieldwork Level II achievement is graded according to the “AOTA Fieldwork Evaluation for the Occupational Therapist” form (page 46).

Technical Standards for the School of Occupational Therapy

Introduction

The technical standards listed below are minimal technical requirements for admission to, promotion within, and graduation from this entry-level professional program. The requirements are grouped into emotional, cognitive, social, communication, physical and health/safety requirements.

Occupational therapists work with people to improve their ability to function in a variety of environmental contexts. Occupational therapy education requires not only the acquisition of academic knowledge but also technical skills, professional attitudes and professional behaviors. Before program completion, graduates must acquire a broad base of knowledge and skills required to be safe and competent clinicians. In order to accomplish this goal, students must demonstrate key functions in a relatively independent manner. In addition, in order to participate fully in the program students are required to travel to settings in the community that may have unpredictable environments. Students with sensory and/or motor limitations may be unable to perform as an occupational therapy student.

Emotional Requirements

The student must have sufficient emotional stability to perform under stress produced by both academic study and the necessity of performing occupational therapy in simulated and real client/patient situations while being observed by faculty, peers, fieldwork educators, and others. Students need to have the endurance to adapt to a physically and emotionally demanding program. Students must tolerate moderate personal stress levels to achieve success while adhering to the professional standards and requirements of the program.

Cognitive Requirements

The student must exhibit cognitive skills necessary for problem solving, clinical reasoning, and judgment. Students must integrate a variety of material with increasing complexity presented throughout the curriculum including presentations, class discussions, client/patient interviews/ evaluations, and readings from textbooks, journals and medical records. Students must be able to identify and respond accurately to factual information as well as subtle non-verbal cues of mood, temperament, and gestures provided by others. Students must be attentive and be able to focus during class and field experiences to fully participate in learning environment.

Social Requirements

The student must have appropriate social skills for forming and maintaining relationships with a variety of people including faculty, peers, fieldwork educators, clients/patients and their families/significant others. Students must demonstrate the ability to participate as an effective group member. Flexibility and maturity in all interactions is required for this program. Verbal and non-verbal communication and interactions must be respectful, civil and professional in manner, demeanor and tone.

Communication Requirements

Students must be able to communicate in written and oral English with faculty, peers and clients in the classroom, clinical settings and community. Communication skills include oral speech, reading and writing in order to be able to complete written and oral assignments. Students must be able to communicate in English effectively and sensitively with patients.

Physical Requirements

Each student must be willing to submit to screening, examination and therapeutic treatment, by student partners, of either gender, to practice therapeutic techniques which may include physical contact. This will always be closely supervised by faculty and in the context of appropriately professional limits.

- Motor

Students must have sufficient motor function to obtain information from patients/clients by palpation, auscultation, percussion, and other standardized and non-standardized evaluative procedures. They must be able to execute
motor movements reasonably required to provide general occupational therapy, including the strength to perform cardiopulmonary resuscitation, lift and transfer patients, and be able to stand/sit long periods of time. Many procedures require coordination of both gross and fine muscular movements, equilibrium, and functional use of the senses. For this reason, students must have manual dexterity including function of wrists, hands, fingers, and arms in order to have the ability to engage in procedures involving grasping, manipulating, pushing, pulling, holding, extending, and rotation.

• **Speech**

   Ability to speak clearly in order to communicate with faculty, peers, fieldwork educators, clients/patients, physicians, and others; need to be understood on the telephone.

• **Vision**

   The student must be able to observe demonstrations and participate in laboratory aspects of the curriculum. Students must be able to observe patients and obtain relevant, meaningful assessment information from this observation. As such, students must have visual perception, which includes depth and acuity. They must also be able to read documents such as medical records, textbooks, and computer screens.

• **Hearing**

   Sufficient to accurately hear on the telephone, discriminate sounds in the environment for safety, communicate with people, listen and assess through the stethoscope to discriminate sounds. It is possible to use compensatory aides and assistive technology such as hearing aids.

• **Touch**

   Ability to palpate both superficially and deeply for tasks such as discrimination of tactile sensations and facilitation of body movements.

**Health and Safety Requirements**

Students must display good self-awareness of personal health practices and hygiene. They must understand the importance of good personal health habits and the prevention of disease/infection. They must display an awareness of personal issues and report any that would potentially interfere with their ability to competently care for others.

Students must complete the requirements listed below by mid-term of the first semester of the third year (professional phase) of the occupational therapy curriculum. All of these requirements must be kept up-to-date throughout the professional phase of the program and throughout Level II Fieldwork. The list below is a minimal list; more detailed and specific information will be provided to you as you approach the professional phase of your education to assure compliance with these requirements.

A. **Immunizations:**

   a. Measles, Mumps and Rubella (MMR)

   b. Polio series

   c. 2 step-Tuberculin series (only the initial year requires a 2 step procedure and subsequent years require one step)

   d. Tetanus, diphtheria and pertussis (Tdap) booster (every 10 years),

   e. Varicella titer (determined through a blood draw as having had chicken pox is not sufficient to avoid getting it again, a titer assures a level of protection)

   f. Hepatitis B series – must be started by September of the third year, or professional phase (they are administered over a span of several months)

B. **Current CPR Certification for children and adults:** (American Red Cross or American Heart Association approved)

C. **Personal Health Insurance (Husson University or private)**

D. **Fingerprinting (through Maine State Department of Education)**

E. **Criminal Background check to be provided by an approved source to be identified by the School of Occupational Therapy; we are currently using Certified Background.**

F. **E-Learning (HIPAA, OSHA) Modules on Certified Profile**

It is the policy of Husson University, School of Occupational Therapy to provide reasonable accommodation to qualified students with a disability so they can meet these essential requirements in accordance with the Rehabilitation Act of 1973 and the Americans with Disability Act of 1990. Whether or not a requested accommodation is reasonable will be determined on an individual basis.

**Courses**

**OT 299. Topic/. 1-6 Hour.**

This course of variable content will provide students with the opportunity to explore selected topics in occupational therapy under the guidance of occupational therapy faculty.

**OT 300. Prin of Human Movement Factors & Occupational Performance. 3 Hours.**

This course provides students with foundational knowledge in the neuromusculoskeletal and movement-related functions of the human body. Students will learn and apply kinesiological and biomechanical principles underlying person-centered occupational performance and engagement. They will develop the basic ability to assess and analyze the client factors which are fundamental to the performance of meaningful occupation. The role of reflexes and other involuntary movement reactions will be covered as well as an introduction to the basic concepts of motor control. Laboratory sessions will stress motor evaluations, treatment planning, wheelchair assessment, transfers, movement analysis, and the psychodynamics of physical rehabilitation. Prerequisite(s): ((SC 221 and SL 221) and (SC 222 and SL 222)) or ( Major=MS Occupational Therapy and ( College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior)).
OT 320. Occupational Analysis. 3 Hours.
This course will focus on foundational concepts that underlie the practice of occupational therapy, i.e. occupation-based activity analysis and analysis of occupational performance. Students will be introduced to the nature of occupation as viewed by the profession and the value of occupational engagement across diverse contexts and environments. Client factors, performance skills and patterns as well as the context and the demands of activities will be considered in preparation for developing interventions in support of engagement in client-identified meaningful occupations. Prerequisite(s): Major=MS Occupational Therapy.

OT 321. Theory & Assessment I. 3 Hours.
This is the first of a two-course series integrating occupational therapy theory with assessment. Students will be introduced to the theoretical foundations of occupational therapy, including the Occupational Therapy Practice Framework, the importance of the history and philosophical base of the profession, and the process of theory development. An overview of client-centered theories will provide a foundational base for occupational engagement. It will also introduce core concepts of evaluation and assessment as well as the evaluation process. The link between theory and assessment will be reinforced by applying a model of practice and the associated assessment tools to a client story, thereby integrating theory and assessment in a clinically meaningful context.

OT 322. Professional Foundations of Occupational Therapy. 3 Hours.
Students will appreciate and value the AOTA Occupational Therapy Code of Ethics and the Standards of Practice as well discuss challenges of personal/organizational ethical conflicts and conflict resolution. State licensing and scope of practice will be discussed as will importance of and requirements for ongoing professional development. Professional liability will be examined. Developing leadership skills through participation in professional associations and professional advocacy will be emphasized. Professional documentation will be introduced. Prerequisite(s): Major=MS Occupational Therapy.

OT 323. Theory & Assessment II. 4 Hours.
This is the second of a two-course series integrating occupational therapy theory with assessment. In this course, students will analyze selected culturally relevant, client-centered, occupation and performance-based models. The models are applied to clinical stories representing life span development and varied contexts. Students are also exposed to multiple assessment tools associated with each model to reinforce the link between theory, evaluation and occupational engagement. The course teaches students to engage in the process of using novel assessment tools and clinical reasoning for the evaluation process and corresponding documentation. Prerequisite(s): OT 321.

OT 330. Functional Anatomy. 4 Hours.
This course will build on previous anatomy & physiology coursework. Content will focus intensively on body structures in order to understand the interactions between them in support of the ability to participate in meaningful occupations throughout life. An emphasis on the musculo-skeletal system, peripheral nervous system and cardio-vascular system will be reinforced by cadaver dissections in the Anatomy Lab. Prerequisite(s): (SC 221 and SL 221) and (SC 222 and SL 222) or (Major=MS Occupational Therapy and College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior).

OT 331. Neuroscience. 5 Hours.
This course will provide students with in-depth understanding of the neuroanatomy and neurophysiology of the central and peripheral nervous systems. There will be special emphasis on mental functions, sensory functions, and the motor system as they contribute to occupational performance. The impact of various clinical conditions on participation in meaningful activities will be introduced. Students understanding will be supplemented with learning activities that include cadaver dissections. Prerequisite(s): (SC 221 and SC 222 and SL 221 and SL 222) or ((College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior) and Major=MS Occupational Therapy).

OT 361. Professional Integration A: Advocacy and Social Context. 1 Hour.
This is the first of three professional integration courses. In this course, students demonstrate novice-level application and integration of didactic concepts that they have learned in the classroom in a clinical or community setting. They apply knowledge and skills from entry level foundation courses to promote awareness of and advocate for access to Occupational Therapy services. There is an emphasis on awareness of the impact of social, cultural and political factors on occupational engagement and meaningful participation. Prerequisite(s): OT 322.

OT 380. Integrative Health I: Wellness. 2 Hours.
This is the first of two courses on integrative health, which considers the dynamic interaction between mind, body, spirit and community. This course introduces the concepts of wellness, health promotion, prevention, and spirituality and their contributions to well-being and occupational engagement. This content is addressed in part through self-reflection as students explore and apply evidence-based approaches of wellness to themselves. Students will develop increased awareness of their own values and beliefs and how they may interact, influence and contribute to health and wellness. Prerequisite(s): OT 322.

OT 413. Children & Youth I. 3 Hours.
This is the first of two courses covering the foundations of contemporary, ethical family-centered occupational therapy practice for children and youth. This semester has an emphasis on infants and young children and their families. Students apply theoretical concepts from developmental and occupation based models to understand the impact of client factors on occupational engagement and performance. Client-centered assessments and outcome measures, used in practice with children and families are explored. Evidence-based clinical reasoning is emphasized as students develop meaningful interventions and identify outcomes in support of occupational engagement in a variety of contexts and environments. Finally, students understand the implications of legislative mandates, role delineation, and the importance of documentation on contemporary practice. Prerequisite(s): OT 321 and OT 323.

OT 414. Children & Youth II. 4 Hours.
This is the second of two 4 courses covering the foundations of contemporary ethical family-centered occupational therapy practice for children and youth. This course focuses on young children through the period of youth and adolescence as well as their families. Students apply theoretical concepts from developmental and occupation based models to understand the impact of client factors on occupational engagement and performance. The course utilizes client-centered assessments and outcome measures used in clinical pediatric practice. It also emphasizes critical thinking as students develop meaningful interventions and identify outcomes in a range of contexts and environments in support of occupational engagement. Finally, the class explores the implications of legislative mandates, role delineation, and the importance of documentation on contemporary practice. Prerequisite(s): OT 413.
OT 440. Mental Health I. 4 Hours.
This course examines the psychological and social aspects of mental health functioning as it impacts occupational performance. Students investigate the continuum of health and recovery with an emphasis on supporting client's successful engagement in meaningful roles and occupations across practice areas, client populations, contexts and environments. Client-centered evaluation and intervention emphasize practical application of theoretical concepts, while evidenced-based critical thinking guides clinical reasoning and decision-making throughout the course. Prerequisite(s): OT 330 and OT 331.

OT 441. Mental Health II. 3 Hours.
This course will focus on approaches to group intervention emphasizing meaningful occupational-based participation to support engagement in a variety of contexts and environments. Included are techniques for starting, maintaining, and terminating groups, ways to capitalize on the therapeutic advantages that groups offer, and exploration of group dynamics and leadership skills. Students use principles of needs assessment, group intervention planning and implementation, along with theory and research evidence, to design and co-lead client-centered occupation based groups with children, adults and older adults. Prerequisite(s): OT 440.

OT 449. Rehabilitation & Participation I. 4 Hours.
This course uses clinical reasoning to examine adult clinical conditions and their impact on occupational engagement. It includes evaluation and intervention focusing on occupational performance and meaningful participation. There is an emphasis on evidence-based, client-centered contemporary best practice. The laboratory portion of the course includes active learning and opportunities to apply entry level practice skills. Prerequisite(s): OT 300 and OT 330 and OT 331.

OT 450. Rehabilitation and Participation II. 4 Hours.
This course continues the study of adult clinical conditions and their impact on occupational engagement. Clinical reasoning is used to inform emerging critical thinking. Students have the opportunity to experience and practice evidence based intervention strategies to enhance occupational performance and meaningful participation. The laboratories focus on developing analysis and beginning synthesis of entry level practice skills. Prerequisite(s): OT 449 and OT 330 and OT 331.

OT 452. Context and Environment. 3 Hours.
In this course, students explore the impact of the physical and social conditions of the client on occupational therapy engagement. Students are also given an opportunity to explore the relationship between socio-cultural forces and the physical environment as well as their impact on meaningful participation for individuals with disabilities. Interventions include a wide range of assistive technologies (AT) and environmental adaptations that allow a person to function more fully. Finally students have the opportunity to identify social and environmental barriers to inclusion in the community and identify strategies to transform these barriers through the application of leadership principles. Prerequisite(s): OT 449.

OT 460. Professional Integration B: Service Delivery and Management. 1 Hour.
This is the second of three professional integration courses. Through this course, students demonstrate emerging application and integration of classroom didactic concepts in a clinical or community setting. Students also apply knowledge and skills from entry-level practice courses to promote occupational engagement within and across diverse contexts and environments with an emphasis on the programmatic aspects of service delivery. Prerequisite(s): OT 361.

OT 461. Professional Integration C: Professional Resp & Leadership. 1 Hour.
This is the third of three professional integration courses. In this course, students demonstrate advanced-beginner application and integration of classroom didactic concepts in a clinical or community setting. Students also apply emerging clinical reasoning and skills from practice courses to promote occupational engagement within and across diverse contexts and environments. The course emphasizes roles and responsibilities related to the development of personal and professional leadership. Prerequisite(s): OT 460.

OT 470. Research & Evidence-based Practice I. 3 Hours.
This is the first in a three course series that will use research to foster evidence-based critical thinking and clinical reasoning. This course will focus on critical analysis of quantitative and qualitative research literature with the goal of guiding students to become informed consumers of research to guide their clinic practice. The contribution of research to the continued development of a professional body of knowledge will be emphasized. Experience locating and evaluating literature, developing a research question, and proposing an appropriate sample, research design, measurement and data analysis will reinforce development of the skills necessary to translate evidence to practice in the clinic. Prerequisite(s): (MS 132 and SC 224) or (College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior).

OT 471. Research & Evidence-based Practice II. 3 Hours.
This is the second in a three course series that will use research to foster evidence-based critical thinking and clinical reasoning. This course will build on the process of developing informed consumers of research through experiential engagement in the research process and implementation of a research methodology. Prerequisite(s): OT 470.

OT 499. Topic/. 1-6 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in occupational therapy under the guidance of occupational therapy faculty.

OT 561. Level Two Fieldwork IIA. 6 Hours.
The goal of Level II Fieldwork is to develop competent, entry-level, generalist occupational therapists under the supervision of a qualified occupational therapist. In this first Level II fieldwork course, students have the opportunity to integrate classroom, service-learning, laboratory, and fieldwork knowledge and skills while applying the OT process in an in-depth occupational therapy service provision experience. Prerequisite(s): OT 414 and OT 441 and OT 450 and OT 461.

OT 562. Level Two Fieldwork IIB. 6 Hours.
The goal of Level II Fieldwork is to further develop competent, entry-level, generalist occupational therapists under the supervision of a qualified occupational therapist. In this second Level II Fieldwork course, students have the opportunity to integrate advanced didactic content with knowledge and skills from previous fieldwork experiences. This final clinical experience requires students to demonstrate evidence-based clinical reasoning and emerging critical thinking, while emphasizing occupational engagement in the context of an in-depth occupational therapy service provision experience. Prerequisite(s): OT 580 and OT 581 and OT 582.
OT 563. Clinical Integration: Research and Evidence-based Practice. 2 Hours.
This course will provide an opportunity for students to process and integrate evidence-based critical thinking and reasoning with clinical experience. Students will demonstrate self-reflection regarding their own professional and personal growth over the course of their academic and clinical professional preparation. We will revisit concepts related to healthcare leadership skills and values, as well as reinforce supports to facilitate the transition to entry-level clinical practitioner and scholar. Prerequisite(s): OT 561 and OT 562.

OT 570. Seminar: Research & Evidence-based Practice III. 3 Hours.
This is the third in a three course series that will use research to foster evidence-based critical thinking and clinical reasoning. Building on the project from the previous semester students will prepare a professional written report and a formal scientific oral presentation of findings or outcome. The importance of research to building a professional body of knowledge will be revisited as students are required to highlight the application of their findings to occupational therapy. Furthermore the clinical application of their findings will reinforce the use of evidence to guide clinical thinking and reasoning. Prerequisite(s): OT 471.

OT 571. Research Seminar. 1 Hour.
In this course, students will discuss various applications of research including evidence-based practice, presentations, publication, grant proposal and on-going professional development. For their final activity in the course, students will develop, organize, implement and evaluate a research seminar of occupational therapy research based on student research projects and will be open to the clinical and general community in the region. Prerequisite(s): OT 471.

OT 580. Integrative Health II: Spirituality. 2 Hours.
This is the second of two courses focusing on integrative health, which considers the dynamic interaction between mind, body, spirit and community. This course expands on concepts of wellness and spirituality previously introduced and also integrates the contribution of culture to well-being and occupational engagement. Students develop increased awareness of the influence of patients’ values, beliefs, culture, and spiritual traditions on healthcare practices. There is an emphasis on the interplay between integrative health, well-being, quality of life and meaningful participation. Prerequisite(s): OT 380.

OT 581. Upper Extremity Research And Practice. 3 Hours.
This course explores common upper extremity/hand injuries and evidence-based treatment interventions in support of client engagement in meaningful occupations. It involves a review of anatomy, clinical evaluation of the upper extremity/hand, and intervention appropriate to each injury. Through a combination of lecture and active experiential learning with a strong emphasis on participation, discussion, and problem solving, students develop critical thinking and clinical reasoning. Students are also expected to identify, palpate and perform learned techniques on each other and demonstrate competency and mastery of content. This course emphasizes hands-on participation with demonstrations of proficiencies in manual muscle, range of motion, and provocative testing.

OT 582. Neurorehabilitation: Research & Evidence Based Practice. 3 Hours.
This course explores the impact of central and peripheral neurologically based conditions on performance skills supporting occupational engagement. Students will have the opportunity to explore both formal and informal assessments used in the evaluation of cognitive, perceptual, communication, and motor dysfunction. Evidence based interventions and rehabilitative approaches for working with clients who have experienced neurologically based conditions will be explored. Integration of previous foundation content with intervention content will require demonstration of emerging critical thinking and clinical reasoning. Students will be provided with learning activities including lecture, group activities, role playing, and experiential learning.

OT 583. Work & Industry: Research and Evidence-based Practice. 3 Hours.
This course provides a general overview of basic ergonomic principles and environmental adaptations in the home and work environment. It will describe symptomatology and interventions to promote meaningful engagement in and performance of work related occupations. It emphasizes a client-centered approach and client worldview to develop treatment plans, reflecting current evidence-based literature and best practice concepts. The course puts a strong emphasis on the use of narratives, or patient stories, in the belief that care of the sick and disabled unfolds in stories, and the effective practice of healthcare requires the ability to recognize, absorb, interpret, and act on the stories and experiences of others, and occupational therapy practiced with narrative competence is a model for humane and effective treatment. Prerequisite(s): OT 450.

OT 599. Topic/. 1-6 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in occupational therapy under the guidance of occupational therapy faculty.

M.S. in Occupational Therapy

Once the prerequisites are completed the program should take three years to complete.

Occupational Therapy Classes

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HS 301</td>
<td>Introduction to Public Health</td>
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<tr>
<td>HS 411</td>
<td>Health Economics and Policy</td>
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<tr>
<td>OT 320</td>
<td>Occupational Analysis</td>
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<tr>
<td>OT 300</td>
<td>Principles of Human Movement &amp; Occupational</td>
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<tr>
<td></td>
<td>Performance</td>
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<td>OT 321</td>
<td>Theory &amp; Assessment I</td>
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<td>OT 322</td>
<td>Professional Foundations of Occupational Therapy</td>
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<td>OT 323</td>
<td>Theory &amp; Assessment II</td>
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<td>OT 330</td>
<td>Functional Anatomy</td>
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<tr>
<td>OT 331</td>
<td>Neuroscience</td>
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<td>OT 361</td>
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<td>Context</td>
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<td>OT 380</td>
<td>Integrative Health I: Wellness</td>
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<tr>
<td>OT 413</td>
<td>Children &amp; Youth I</td>
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<td>OT 440</td>
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<td>OT 570</td>
<td>Seminar: Res. &amp; EBP</td>
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<td>OT 580</td>
<td>Spirit Within Life: Integral Opp for Self and Others as OT</td>
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<td>OT 581</td>
<td>Upper Extremity Research And Practice</td>
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<td>OT 582</td>
<td>Neurorehabilitation: Research &amp; Evidence Based Practice</td>
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<td>OT 583</td>
<td>Work &amp; Industry: Research and Practice</td>
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<td>OT 599</td>
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<tr>
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<td>Graduate Health Elective</td>
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Total Hours: 98

**Suggested Course Sequence**

**First Year**

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<tr>
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<td>OT 311. Occupational Therapy.</td>
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<tr>
<td>OT 322</td>
<td>OT 320. Occupational Analysis.</td>
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<td>OT 330</td>
<td>OT 321. Theory &amp; Assessment I.</td>
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**Second Year**

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Total Hours: 17

**Third Year**

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<tbody>
<tr>
<td>OT 583</td>
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<tr>
<td>OT 599</td>
<td>(OR Grad HS Elective, OR Grad Business Elective)</td>
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Total Hours: 98

**Courses**

**OT 299. Topic/ 1-6 Hour.**

This course of variable content will provide students with the opportunity to explore selected topics in occupational therapy under the guidance of occupational therapy faculty.

**OT 300. Prin of Human Movement Factors & Occupational Performance. 3 Hours.**

This course provides students with foundational knowledge in the neuromusculoskeletal and movement-related functions of the human body. Students will learn and apply kinesiological and biomechanical principles underlying person-centered occupational performance and engagement. They will develop the basic ability to assess and analyze the client factors which are fundamental to the performance of meaningful occupation. The role of reflexes and other involuntary movement reactions will be covered as well as an introduction to the basic concepts of motor control. Laboratory sessions will stress motor evaluations, treatment planning, wheelchair assessment, transfers, movement analysis, and the psychodynamics of physical rehabilitation. Prerequisite(s): ((SC 221 and SL 221) and (SC 222 and SL 222)) or (Major=MS Occupational Therapy and (College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior)).

**OT 320. Occupational Analysis. 3 Hours.**

This course will focus on foundational concepts that underlie the practice of occupational therapy, i.e. occupation-based activity analysis and analysis of occupational performance. Students will be introduced to the nature of occupation as viewed by the profession and the value of occupational engagement across diverse contexts and environments. Client factors, performance skills and patterns as well as the context and the demands of activities will considered in preparation for developing interventions in support of engagement in client-identified meaningful occupations. Prerequisite(s): Major=MS Occupational Therapy.

**OT 321. Theory & Assessment I. 3 Hours.**

This is the first of a two-course series integrating occupational therapy theory with assessment. Students will be introduced to the theoretical foundations of occupational therapy, including the Occupational Therapy Practice Framework, the importance of the history and philosophical base of the profession, and the process of theory development. An overview of client-centered theories will provide a foundational base for occupational engagement. It will also introduce core concepts of evaluation and assessment as well as the evaluation process. The link between theory and assessment will be reinforced by applying a model of practice and the associated assessment tools to a client story, thereby integrating theory and assessment in a clinically meaningful context.
OT 322. Professional Foundations of Occupational Therapy. 3 Hours.
Students will appreciate and value the AOTA Occupational Therapy Code of Ethics and the Standards of Practice as well discuss challenges of personal/organizational ethical conflicts and conflict resolution. State licensing and scope of practice will be discussed as will importance of and requirements for ongoing professional development. Professional liability will be examined. Developing leadership skills through participation in professional associations and professional advocacy will be emphasized. Professional documentation will be introduced.
Prerequisite(s): Major=MS Occupational Therapy.

OT 323. Theory & Assessment II. 4 Hours.
This is the second of a two-course series integrating occupational therapy theory with assessment. In this course, students will analyze selected culturally relevant, client-centered, occupation and performance-based models. The models are applied to clinical stories representing life span development and varied contexts. Students are also exposed to multiple assessment tools associated with each model to reinforce the link between theory, evaluation and occupational engagement. The course teaches students to engage in the process of using novel assessment tools and clinical reasoning for the evaluation process and corresponding documentation.
Prerequisite(s): OT 321.

OT 330. Functional Anatomy. 4 Hours.
This course will build on previous anatomy & physiology coursework. Content will focus intensively on body structures in order to understand the interactions between them in support of the ability to participate in meaningful occupations throughout life. An emphasis on the musculoskeletal system, peripheral nervous system and cardio-vascular system will be reinforced by cadaver dissection opportunities in the Anatomy Lab.
Prerequisite(s): ((SC 221 and SL 221) and (SC 222 and SL 222)) or ( Major=MS Occupational Therapy and ( College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior)).

OT 331. Neuroscience. 5 Hours.
This course will provide students with in-depth understanding of the neuroanatomy and neurophysiology of the central and peripheral nervous systems. There will be special emphasis on mental functions, sensory functions, and the motor system as they contribute to occupational performance. The impact of various clinical conditions on participation in meaningful activities will be introduced. Students understanding will be supplemented with learning activities that include cadaver dissections.
Prerequisite(s): (SC 221 and SC 222 and SL 221 and SL 222) or ((College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior) and Major=MS Occupational Therapy).

OT 361. Professional Integration A: Advocacy and Social Context. 1 Hour.
This is the first of three professional integration courses. In this course, students demonstrate novice-level application and integration of didactic concepts that they have learned in the classroom in a clinical or community setting. They apply knowledge and skills from entry level foundation courses to promote awareness of and advocate for access to Occupational Therapy services. There is an emphasis on awareness of the impact of social, cultural and political factors on occupational engagement and meaningful participation.
Prerequisite(s): OT 322.

OT 380. Integrative Health I: Wellness. 2 Hours.
This is the first of two courses on integrative health, which considers the dynamic interaction between mind, body, spirit and community. This course introduces the concepts of wellness, health promotion, prevention, and spirituality and their contributions to well-being and occupational engagement. This content is addressed in part through self-reflection as students explore and apply evidence-based approaches of wellness to themselves. Students will develop increased awareness of their own values and beliefs and how they may interact, influence and contribute to health and wellness.
Prerequisite(s): OT 322.

OT 413. Children & Youth I. 3 Hours.
This is the first of two courses covering the foundations of contemporary, ethical family-centered occupational therapy practice for children and youth. This semester has an emphasis on infants and young children and their families. Students apply theoretical concepts from developmental and occupation based models to understand the impact of client factors on occupational engagement and performance. Client-centered assessments and outcome measures, used in practice with children and families are explored. Evidence-based clinical reasoning is emphasized as students develop meaningful interventions and identify outcomes in support of occupational engagement in a variety of contexts and environments. Finally, students understand the implications of legislative mandates, role delineation, and the importance of documentation on contemporary practice.
Prerequisite(s): OT 321 and OT 323.

OT 414. Children & Youth II. 4 Hours.
This is the second of two 4 courses covering the foundations of contemporary ethical family-centered occupational therapy practice for children and youth. This course focuses on young children through the period of youth and adolescence as well as their families. Students apply theoretical concepts from developmental and occupation based models to understand the impact of client factors on occupational engagement and performance. The course utilizes client-centered assessments and outcome measures used in clinical pediatric practice. It also emphasizes critical thinking as students develop meaningful interventions and identify outcomes in a range of contexts and environments in support of occupational engagement. Finally, the class explores the implications of legislative mandates, role delineation, and the importance of documentation on contemporary practice.
Prerequisite(s): OT 321 and OT 323.

OT 440. Mental Health I. 4 Hours.
This course examines the psychological and social aspects of mental health functioning as it impacts occupational performance. Students investigate the continuum of health and recovery with an emphasis on supporting client's successful engagement in meaningful roles and occupations across practice areas, client populations, contexts and environments. Client-centered evaluation and intervention emphasize practical application of theoretical concepts, while evidenced-based critical thinking guides clinical reasoning and decision-making throughout the course.
Prerequisite(s): OT 330 and OT 331.

OT 441. Mental Health II. 3 Hours.
This course will focus on approaches to group intervention emphasizing meaningful occupational-based participation to support engagement in a variety of contexts and environments. Included are techniques for starting, maintaining, and terminating groups, ways to capitalize on the therapeutic advantages that groups offer, and exploration of group dynamics and leadership skills. Students use principles of needs assessment, group intervention planning and implementation, along with theory and research evidence, to design and co-lead client-centered occupation based groups with children, adults and older adults.
Prerequisite(s): OT 440.
OT 449. Rehabilitation & Participation I. 4 Hours.
This course uses clinical reasoning to examine adult clinical conditions and their impact on occupational engagement. It includes evaluation and intervention focusing on occupational performance and meaningful participation. There is an emphasis on evidence-based, client-centered contemporary best practice. The laboratory portion of the course includes active learning and opportunities to apply entry level practice skills. Prerequisite(s): OT 300 and OT 330 and OT 331.

OT 450. Rehabilitation and Participation II. 4 Hours.
This course continues the study of adult clinical conditions and their impact on occupational engagement. Clinical reasoning is used to inform emerging critical thinking. Students have the opportunity to experience and practice evidence based intervention strategies to enhance occupational performance and meaningful participation. The laboratories focus on developing analysis and beginning synthesis of entry level practice skills. Prerequisite(s): OT 449 and OT 330 and OT 331.

OT 452. Context and Environment. 3 Hours.
In this course, students explore the impact of the physical and social conditions of the client on occupational therapy engagement. Students are also given an opportunity to explore the relationship between socio-cultural forces and the physical environment as well as their impact on meaningful participation for individuals with disabilities. Interventions include a wide range of assistive technologies (AT) and environmental adaptations that allow a person to function more fully. Finally students have the opportunity to identify social and environmental barriers to inclusion in the community and identify strategies to transform these barriers through the application of leadership principles. Prerequisite(s): OT 449.

OT 460. Professional Integration B: Service Delivery and Management. 1 Hour.
This is the second of three professional integration courses. Through this course, students demonstrate application and integration of classroom didactic concepts in a clinical or community setting. Students also apply knowledge and skills from entry-level practice courses to promote occupational engagement within and across diverse contexts and environments with an emphasis on the programmatic aspects of service delivery. Prerequisite(s): OT 361.

OT 461. Professional Integration C: Professional Resp & Leadership. 1 Hour.
This is the third of three professional integration courses. In this course, students demonstrate advanced-beginner application and integration of classroom didactic concepts in a clinical or community setting. Students also apply emerging clinical reasoning and skills from practice courses to promote occupational engagement within and across diverse contexts and environments. The course emphasizes roles and responsibilities related to the development of personal and professional leadership. Prerequisite(s): OT 460.

OT 470. Research & Evidence-based Practice I. 3 Hours.
This is the first in a three course series that will use research to foster evidence-based critical thinking and clinical reasoning. This course will focus on critical analysis of quantitative and qualitative research literature with the goal of guiding students to become informed consumers of research to guide their clinic practice. The contribution of research to the continued development of a professional body of knowledge will be emphasized. Experience locating and evaluating literature, developing a research question, and proposing an appropriate sample, research design, measurement and data analysis will reinforce development of the skills necessary to translate evidence to practice in the clinic. Prerequisite(s): (MS 132 and SC 224) or (College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior).

OT 471. Research & Evidence-based Practice II. 3 Hours.
This is the second in a three course series that will use research to foster evidence-based critical thinking and clinical reasoning. This course will build on the process of developing informed consumers of research through experiential engagement in the research process and implementation of a research methodology. Prerequisite(s): OT 470.

OT 499. Topic/. 1-6 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in occupational therapy under the guidance of occupational therapy faculty.

OT 561. Level Two Fieldwork IIA. 6 Hours.
The goal of Level II Fieldwork is to develop competent, entry-level, generalist occupational therapists under the supervision of a qualified occupational therapist. In this first Level II fieldwork course, students have the opportunity to integrate classroom, service-learning, laboratory, and fieldwork knowledge and skills while applying the OT process in an in-depth occupational therapy service provision experience. Prerequisite(s): OT 414 and OT 441 and OT 450 and OT 461.

OT 562. Level Two Fieldwork IIB. 6 Hours.
The goal of Level II Fieldwork is to further develop competent, entry-level, generalist occupational therapists under the supervision of a qualified occupational therapist. In this second Level II Fieldwork course, students have the opportunity to integrate advanced didactic content with knowledge and skills from previous fieldwork experiences. This final clinical experience requires students to demonstrate evidence-based clinical reasoning and emerging critical thinking, while emphasizing occupational engagement in the context of an in-depth occupational therapy service provision experience. Prerequisite(s): OT 580 and OT 581 and OT 582.

OT 563. Clinical Integration: Research and Evidence-based Practice. 2 Hours.
This course will provide an opportunity for students to process and integrate evidence-based critical thinking and reasoning with clinical experience. Students will demonstrate self-reflection regarding their own professional and personal growth over the course of their academic and clinical professional preparation. We will revisit concepts related to healthcare leadership skills and values, as well as reinforce supports to facilitate the transition to entry-level clinical practitioner and scholar. Prerequisite(s): OT 561 and OT 562.
OT 570. Seminar: Research & Evidence-based Practice III. 3 Hours.
This is the third in a three course series that will use research to foster
evidence-based critical thinking and clinical reasoning. Building on the
project from the previous semester students will prepare a professional
written report and a formal scientific oral presentation of findings or
outcome. The importance of research to building a professional body
of knowledge will be revisited as students are required to highlight the
application of their findings to occupational therapy. Furthermore the
clinical application of their findings will reinforce the use of evidence to
guide clinical thinking and reasoning. Prerequisite(s): OT 471.

OT 571. Research Seminar. 1 Hour.
In this course, students will discuss various applications of research
including evidence-based practice, presentations, publication, grant
proposal and on going professional development. For their final activity
in the course, students will develop, organize, implement and evaluate
a research seminar of occupational therapy research based on student
research projects and will be open to the clinical and general community
in the region. Prerequisite(s): OT 471.

OT 580. Integrative Health II: Spirituality. 2 Hours.
This is the second of two courses focusing on integrative health, which
considers the dynamic interaction between mind, body, spirit and
community. This course expands on concepts of wellness and spirituality
previously introduced and also integrates the contribution of culture to
well-being and occupational engagement. Students develop increased
awareness of the influence of patients’ values, beliefs, culture, and
spiritual traditions on healthcare practices. There is an emphasis on
the interplay between integrative health, well-being, quality of life and
meaningful participation. Prerequisite(s): OT 380.

OT 581. Upper Extremity Research And Practice. 3 Hours.
This course explores common upper extremity/hand injuries and
evidence-based treatment interventions in support of client engagement
in meaningful occupations. It involves a review of anatomy, clinical
evaluation of the upper extremity/hand, and intervention appropriate to
each injury. Through a combination of lecture and active experiential
learning with a strong emphasis on participation, discussion, and
problem solving, students develop critical thinking and clinical reasoning.
Students are also expected to identify, palpate and perform learned
techniques on each other and demonstrate competency and mastery
of content. This course emphasizes hands-on participation with
demonstrations of proficiencies in manual muscle, range of motion, and
provocative testing.

OT 582. Neurorehabilitation: Research & Evidence Based Practice. 3
Hours.
This course explores the impact of central and peripheral neurologically
based conditions on performance skills supporting occupational
engagement. Students will have the opportunity to explore both formal
and informal assessments used in the evaluation of cognitive, perceptual,
communication, and motor dysfunction. Evidence based interventions
and rehabilitative approaches for working with clients who have
experienced neurologically based conditions will be explored. Integration
of previous foundation content with intervention content will require
demonstration of emerging critical thinking and clinical reasoning.
Students will be provided with learning activities including lecture, group
activities, role playing, and experiential learning.

OT 583. Work & Industry: Research and Evidence-based Practice. 3
Hours.
This course provides a general overview of basic ergonomic principles
and environmental adaptations in the home and work environment. It
will describe symptomatology and interventions to promote meaningful
engagement in and performance of work related occupations. It
emphasizes a client-centered approach and client worldview to develop
treatment plans, reflecting current evidence-based literature and best
practice concepts. The course puts a strong emphasis on the use of
narratives, or patient stories, in the belief that care of the sick and
disabled unfolds in stories, and the effective practice of healthcare
requires the ability to recognize, absorb, interpret, and act on the stories
and experiences of others, and occupational therapy practiced with
narrative competence is a model for humane and effective treatment.
Prerequisite(s): OT 450.

OT 599. Topic/. 1-6 Hour.
This course of variable content will provide students with the opportunity
to explore selected topics in occupational therapy under the guidance of
occupational therapy faculty.

Programs in Physical Therapy

There are two ways to enter into the Doctor of Physical Therapy program,
a six-year freshman entry program or a three-year graduate program.
Students who have earned a baccalaureate degree and who have
satisfactorily completed all pre-requisite courses may apply to enter the
professional phase (year 4) of the DPT Program as graduate students.
Following successful completion of the 3-year professional phase these
students will receive the Doctor of Physical Therapy degree. This entry-
level clinical doctorate allows graduates to apply for physical therapy
licensure; hence this program is not appropriate for individuals who have
already earned a physical therapy degree either in the U.S. or in other
countries.

Mission Statement

The mission of the Husson University Physical Therapy Program is to
graduate generalist practitioners with advanced skills in selected practice
environments. These skilled, knowledgeable and reflective practitioners
are independent in their assessment of client needs but collaborative
within the health care team in the ethical promotion of health and
function. These graduates are responsible and self-directed learners, both
adaptable and successful in addressing issues of diverse and complex
health care systems, practice environments and client populations.

Philosophy of Physical Therapy Education

Husson is committed to providing individuals with a personalized, cost-
effective educational experience leading to successful performance in
productive and satisfying careers. In keeping with the Husson
philosophy, the Physical Therapy faculty is dedicated to providing
excellent student-centered learning in secure and open learning
environments. The faculty incorporates active teaching and learning
strategies that support the learner in assuming responsibility for his or
her behavior, self-directed learning, evidence-based clinical knowledge
and skills, critical and reflective thinking, and strong clinical experiences.
The Physical Therapy program emphasizes the preparation of the
generalist practitioner who provides a continuum of care responsive
to the individualized needs and well-being of clients and patients from
diverse backgrounds. Given the limited access to healthcare in the
rural state of Maine, the PT program is committed to ensuring that its
graduates are capable of working effectively in rural environments.
In believing that each member of society has the right to receive quality health care, the Physical Therapy faculty emphasizes an educational preparation consistent with society’s expectations of a physical therapist as an autonomous practitioner, educator, evaluator, therapy provider, family and community consultant, health and wellness advocate, clinical researcher, and an effective member of the health care community.

**Program Goals**

Through its faculty and curriculum, the program will demonstrate a commitment to:

- Preparing graduates to competently practice physical therapy in a diversity of clinical settings.
- Enhancing the profession, the physical therapy community, and the health and wellness of the public.
- Promoting inquiry and scholarship within the Husson community and the physical therapy profession.

Faculty will demonstrate a commitment to:

- Serving as professional physical therapy role models.
- Engaging in and promoting inquiry and scholarship.
- Outstanding teaching practices that engage students in active learning.

Student and Graduate will:

- Demonstrate the knowledge and skills necessary to practice physical therapy as generalist practitioners with high ethical and legal standards.
- Demonstrate advanced skills in select practice areas.

**Graduate Admissions Criteria for the Three-year DPT Program**

Applicants who have earned a Baccalaureate degree may apply for entry to the fourth year of the six-year program, and will be considered in late spring after the number of third-year students progressing to the fourth year is known. The number of available positions is limited and varies from year-to-year. Graduate student applicants applying for fall entry into the three-year DPT program must apply online through PTCAS, the Central Application Service for Physical Therapy programs. PTCAS applications will be accepted at www.ptcas.org. Please apply early as it is time consuming to collect your supporting application materials.

Husson University has adopted a rolling admissions process. Completed PTCAS applications will be reviewed starting in January and will continue until the close of applications in April. Official transcripts showing evidence of completion of a Bachelor’s Degree must be sent to Husson’s Graduate Admissions Office by the program’s start date in August.

Applicants must meet the following criteria:

- have an undergraduate degree with a cumulative GPA of 3.0 or greater
- have successfully completed the following pre-requisite courses with a minimum grade of C:
  - Introductory Statistics (3 credits)
  - General Psychology (3 credits)
  - Anatomy with lab (4 credits)
  - Physiology with lab (4 credits)
  - May take Anatomy and Physiology I and II with labs to meet anatomy and physiology requirements (8 credits)
  - Chemistry I and II with labs (8 credits)
  - Physics I and II with labs (8 credits)
  - Two Biology courses (6 credits)
  - Upper level Psychology (3 credits), such as Abnormal, Developmental, or Child Psychology

Applicants must submit the following items to PTCAS:

- Application with application fee
- Official transcripts of all previous college or university work
- Official GRE transcript of test score taken within 5 years of application
- Two letters of recommendation, one from a physical therapist or employer, and one from a past instructor
- Physical Therapy observation hours verification
- One essay responding to PTCAS prompt
- One supplemental essay on one of the following topics:
  - Topic one: Discuss some issue of personal, local, national, or international concern and its importance to you.
  - Topic two: Describe a major problem or challenge that you have encountered and the ways in which you dealt with it.
  - Topic three: Newton’s First Law of Motion states that an object in motion tends to stay in motion in the same direction unless acted upon by an external force. Tell us about an external influence (a person, an event, etc.) that affected you and how it caused you to change direction.

Limit your essay to no more than two typed pages, double-spaced. The essay will be evaluated on organization, clarity, grammar, and punctuation, as well as content. Please include the topic at the top of your essay.


**Accreditation**

The Doctor of Physical Therapy Program in the School of Physical Therapy at Husson University is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, VA 22314; telephone: 703.706.3245; email: accreditation@apta.org; website: http://www.capteonline.org

Accredited by CAPTE - verify status (https://www.apta.org/CAPTE/Verification.aspx?097112116097+10811103111+10811103111046112110103+104116161120580%3d)
Financial Aid
A freshman-entry Physical Therapist student is classified as an undergraduate student through the fourth year, and as a graduate student in the fifth and sixth year. The student who holds a Baccalaureate degree is classified as a graduate student for the three years of the professional phase.

Tuition
The tuition structure in the first, second, and third years is identical to the per-credit hour fee applied to other Husson students. Students enrolled in the fourth, fifth, and sixth years pay a higher per-credit hour fee that is specific to the physical therapy program.

Clinical Education
Students in the fourth, fifth, and sixth years of the Physical Therapy program are required to participate in unpaid full-time clinical experiences as part of their professional education. It is recommended that students budget an additional $2,000-$2,500 for travel, accommodations, etc. There are four clinical placement periods during the professional phase of the programs shown below:

- Year 4—8-week placement generally mid-May to early July
- Year 5—8-week placement from mid-October to mid-December
- Year 6—8-week placement generally mid-July to early September
- Year 6—8-week placement in January and February

Generally, the Physical Therapy program will attempt to place fourth-year students near their home for the first clinical placement (although this cannot be guaranteed). In the fifth and sixth years, students will be required to travel to other locations for their clinical placements. The program currently has contracts with approximately 200 clinical sites throughout the United States.

Technical Standards of Physical Education
Physical therapy education requires that the accumulation of scientific knowledge be accompanied by the simultaneous acquisition of technical skills, professional attitudes and professional behaviors. The Doctor of Physical Therapy degree awarded by Husson University, School of Physical Therapy certifies that the graduating individual has acquired a broad base of knowledge and skills requisite for the safe and competent practice of physical therapy. In order to acquire the foundation of knowledge, skills, attitudes, and behaviors needed throughout the physical therapist’s professional career, the student must demonstrate essential abilities in five areas: observation; communication; motor function; conceptual abilities and behavioral/social attributes. The following essential requirements have been adopted by the Husson University School of Physical Therapy as requirements for admission to, promotion within, and graduation from its entry-level professional program. A candidate must be able to perform these essential requirements in a reasonably independent manner. When requested, Husson University will provide reasonable accommodations to otherwise qualified students with disabilities.

Observation
Observation requires the functional use of vision, audition, olfaction, and somatic sensations. The candidate must be able to observe demonstrations and experiments in basic and applied sciences, in physical therapy theory, and in therapeutic practice. The candidate must be able to observe a patient accurately at a distance for posture and functional performance, and close at hand for palpation and the inspection of skin, muscles and joints. The candidate must be able to observe digital and waveform readings, and other graphic images to determine a patient’s condition.

Communication
A candidate must be able to elicit information from patients, describe changes in mood, activity and posture, and perceive and accurately report nonverbal communications. A candidate must be able to communicate effectively and sensitively with patients and their families. Communication includes speech, reading, writing and computer literacy. The candidate must be able to communicate effectively and efficiently with all members of the health care team in both immediate and recorded modes.

Motor Function
Candidates must have sufficient motor function to elicit information from patients by palpation, auscultation, percussion, manual positioning of body segments and other evaluative procedures. A candidate must be able to physically perform basic screening and examination (physiologic measures such a heart rate and respiration), diagnostic procedures (palpation, manual muscle testing, goniometry, sensory evaluation, gait analysis, balance assessment), and evaluation of EKGs and X-rays. A candidate must be able to execute movements required in the provision of general care, emergency treatment and therapeutic treatment, including cardiopulmonary resuscitation, wound care, positioning and transferring, gait training, and performing manual therapy techniques.

Each student must be willing to submit to screening, examination and therapeutic treatment, allowing student partners, of either gender, to practice therapeutic techniques.

Conceptual - Integrative and Quantitative Abilities
To effectively solve problems required of physical therapist practitioners, the candidate must be able to measure, calculate, reason, analyze, integrate, and synthesize information in a timely fashion. In addition, the candidate must be able to comprehend three-dimensional relationships and to understand the spatial relationships of structures.

Behavioral/Social Attributes
A candidate must possess the psychological ability required for full use of their intellectual abilities, for the exercise of good judgment, for the prompt completion of all responsibilities inherent to diagnosis and care of patients, and for the development of mature, sensitive and effective relationships with patients. Candidates must be able to tolerate physical and mentally taxing workloads and to function effectively under stress. They must be able to adapt to changing environments, display flexibility, and learn to function in the face of uncertainties inherent in the clinical problems of many patients. In summary, a candidate must be able to collect information, analyze and synthesize it, and effectively perform clinical reasoning in the limited time demanded by a given clinical setting, while under stress, and in an environment in which other distractions may be present. Compassion, integrity, tolerance, concern for others, interpersonal skills, interest, motivation and ethical behavior are all personal qualities that are assessed during the admissions and education process.
Reasonable Accommodation

It is the policy of Husson University and the School of Physical Therapy to provide reasonable accommodation to qualified students with a disability so they can meet these essential requirements. In addition, students may request an accommodation based upon creed and religious restrictions. Whether or not a requested accommodation is reasonable will be determined on an individual basis. Determining what is a reasonable accommodation is an interactive process, which the candidate must initiate with the Director of Physical Therapy and with the Dean of Students located in the Center for Academic Services, (207) 992-1934.

Revised and adopted May 16, 2013

Courses

PT 200. Intro to Physical Therapy. 0 Hours.
A seminar based non-credit course to introduce pre-professional students to the curriculum and profession of Physical Therapy.

PT 399. Topic/. 3 Hours.
This elective course provides the opportunity to introduce varied topics concerning kinesiology, anatomy, physiology, or physical therapy. This course is for students enrolled in the preprofessional phase of the physical therapy program. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222.

PT 400. Clinical Edu I. 4 Hours.
An eight week full-time basic physical therapy skills affiliation scheduled in the summer following the first professional year. Designed to provide the learner with competency in the beginning clinical skills of client-therapist interactions, case history development, simple musculoskeletal and functional assessments, application of simple treatment techniques and modalities, participation in the planning and design of treatment program, and basic to intermediate skills in the orthopedic management of peripheral joint dysfunction. Prerequisite(s): PT 550 and PT 515.

PT 410. Gross Anatomy. 5 Hours.
An in-depth study of gross anatomy with an emphasis on muscular, skeletal, neural, and vascular structures and systems. Course content will pay particular attention to functional anatomy of the appendages and their associated girdles, the back, and the head and neck. Lecture and classroom discussions are combined with cadaver dissections to provide a thorough and clinically relevant knowledge base for subsequent diagnostic and treatment-centered courses.

PT 411. Kinesiology & Biomechanics. 3 Hours.
A comprehensive study of human movement with an emphasis on biomechanical and kinesiological concepts of normal and pathological movement of each body region. The course will include lecture and laboratory components that will integrate fundamental mechanical and kinesiological principles in the analysis of joint motion throughout the body. The course builds on anatomical knowledge to give students an in-depth appreciation of how normal and abnormal structure of the body influence movement.

PT 412. Motor Control & Learning. 3 Hours.
This course is a capstone course for the BS in Kinesiology degree. It provides students with a holistic overview of current theoretical and applied perspectives in the field of motor control and learning and discusses their implications for kinesiology and for physical therapy. The course will primarily be focused at the behavioral level of analysis and thus will complement the neurophysiological approach taken in PT 450. A major emphasis in this course will be to compare and contrast the theoretical approaches of information processing and dynamic systems in the understanding of both normal and pathological human motor behavior. Implications for the analysis and treatment of movement disorders stemming from both approaches will be examined. This analysis will allow students to constructively critique current assumptions underlying motor control for motor performance and neurological rehabilitation, and to understand how theoretical frameworks bias evaluation and treatment options. Given a theoretical understanding of past and current approaches to motor control and learning, students will be able to flexibly design their own exercise and treatment approaches. Students will be required to design and conduct an experiment using current computerized technology in an attempt to answer an applied or basic science motor control question. The data from the experiment will be analyzed and written up as if it were to be submitted for publication in a motor control/learning journal. Students will also present their research to the class on completion of the experiment. Prerequisite(s): PT 411.

PT 415. Therapeutic Skills I. 3 Hours.
This course is designed to introduce students to the assessment and treatment techniques integral to the practice of physical therapy. This course is the first of a three-part series designed to teach the appropriate selection and use of devices and techniques that all physical therapists should be capable of using. The aim of this course is for the student to safely apply the skills learned in this course to patients during the first clinical education placement at the end of year four. This course is divided into two parts. Part One is devoted to learning proper body mechanics, safety procedures, patient approach, and therapeutic massage techniques. Part Two is devoted to goniometry, manual muscle testing, quadrant scanning, and therapeutic exercise of the trunk and extremities.

PT 416. Therapeutic Skills II. 1 Hour.
Therapeutic Skills II is devoted to learning the proper and safe movement of patients between surfaces, including body mechanics, bed mobility, and transfer training. The students will also be introduced to vital signs assessment and the selection and use of devices and techniques related to gait training. Prerequisite(s): PT 415.

PT 417. Physical Agents I. 3 Hours.
This course is designed to introduce the students to the scientific and clinical principles involved in the use of physical agents (modalities) in patient assessment and treatment. The course focuses on thermal, light, sound, electrophysiological, and mechanical agents used by physical therapists to treat patients, and explores the physics, physiology, and clinical aspects of commonly used modalities. The lab part of the course is designed to introduce the students to the use of therapeutic modalities in patient treatment and to allow them to practice application of modalities introduced in lecture. The aim of this course is for the student to understand the indications and contraindications of thermal, sound, and mechanical modalities and to acquire the skills to be able to safely apply them to patients during the first clinical placement.
PT 418. Physical Agents II. 1 Hour.
This is the second part of a two part lab series that builds on content acquired in PT 417. This course focuses on the practice of electrical stimulation and biofeedback used by physical therapists in the treatment of patients. The aim of this course is for the student to understand the indications and contraindications of these modalities and to acquire the skills to be able to safely apply them to patients during the first clinical placement. Prerequisite(s): PT 417.

PT 420. Life Cycles I. 2 Hours.
This course, the first in a two-course sequence, presents the relationship of structure and function to the development of movement skills across the entire life span. Normal physical development and normal movement of an individual is described from the time of conception through old age with emphasis on children under five years and adults over sixty-five years. Students will be introduced to movement disorders that are characteristic of specific age stages. This course is taught from a life span perspective in which social, psychological, and physical factors all interact to influence function. Prerequisite(s): PT 410 and PT 411 and PT 415 and PT 417.

PT 425. Exercise Physiology. 3 Hours.
This course examines human physiologic responses to physical activity. The first three units of the course address acute responses to physical activity, with a focus on metabolic, muscular, cardiovascular, and neuroendocrine homeostatic control mechanisms, as well as the influence of environmental factors on acute responses. The final unit of the course involves a discussion of factors that contribute to fatigue, and examines the evidence regarding adaptations to chronic physical activity and exercise. Students will learn how the principles of frequency, intensity, duration, specificity, and reversibility affect the benefits of physical activity for health and human performance. In addition, performance benefits attributable to the use of ergogenic aids will be discussed. Prerequisite(s): SC 221 and SC 222 and SC 291.

PT 431. Psychosocial Aspects of Physical Therapy. 3 Hours.
The purpose of this three-credit experiential course is to guide the student in the attainment of attitudes, behaviors, and values appropriate to a healthcare practitioner. Through an examination of physical therapy as a profession, students will identify the changing and emerging roles of the physical therapist in the current healthcare environment. Students will be introduced to professional ethics, practice expectations, laws and regulations that define and limit the scope of physical therapy practice. Effective verbal and written communication skills will be emphasized, using issues relevant to physical therapy as vehicles for the practice of communication skills.

PT 435. Principles of Physiology. 3 Hours.
This course provides an overview of human physiology required for the understanding of clinical conditions in patients referred for physical therapy. Prerequisite(s): SC 221 and SC 222 and SC 291.

PT 450. Neurophysiology. 3 Hours.
This course will give students a basic understanding of the neuroanatomical and neurophysiological substrates underlying human perception, movement, cognition and language. The course will pay particular attention to the sensory and motor systems that contribute to the control of posture and movement. Both normal and pathological functioning of the nervous system will be discussed. Common dysfunctions of the neuromuscular system will be addressed through lectures, student literature reviews, and classroom discussion. Students will be required to review recent neuroscience research investigating commonly encountered neural pathologies. Clinical illustrations will be discussed throughout the course. This discussion will include etiology, pathology and therapeutic and pharmacological treatment options where applicable. The course will enable students to apply neuroanatomical knowledge in analyzing a collection of patient signs and symptoms to determine the location and type of CNS lesion. Prerequisite(s): PT 410 and PT 411 and PT 415 and PT 417.

PT 500. Clinical Edu II. 4 Hours.
An eight-week full-time clinical experience during the fall semester of the second professional year. This course is designed to provide the student with competency in the intermediate to entry level skills of managing musculoskeletal dysfunction, basic to intermediate skills of managing patients with neurological dysfunction, and exposure to administrative functions of the physical therapist. Prerequisite(s): PT 400.

PT 510. Neuromuscular I. 3 Hours.
This course provides students with an overview of the examination and treatment of the adult client with a neurological lesion. It presents the philosophies underlying the major treatment approaches, and discusses strengths as well as limitations of these philosophies. The course focuses on the patient who has had a cerebrovascular accident, however the principles presented in this course can be applied to patients with a variety of neurological lesions. A hypothesis-based approach to development of an intervention strategy will be presented and emphasized. Laboratory sessions focus on hands-on management techniques for the patients with neurological deficits. Students will be required to read and critically analyze primary literature related to neurological rehabilitation. Prerequisite(s): PT 420 and PT 412 and PT 416 and PT 418 and PT 450.

PT 515. Therapeutic Skills III. 3 Hours.
This is the third of four courses designed to introduce students to the scientific and clinical principles involved in the use of various therapeutic skills in patient care. This course emphasizes orthopedic evaluation and treatment skills of the upper and lower extremities and some neurological treatment skills related to proprioceptive neuromuscular facilitation (PNF). The emphasis of the class is on development of manual therapy skills and the application of therapeutic exercise prescription. Part of the material pertaining to performing a musculoskeletal screening is taught in the week prior to the start of Fall semester in combination with PT 550 Musculoskeletal I on a different schedule. Prerequisite(s): PT 411 and PT 415.

PT 520. Life Cycles II. 3 Hours.
This course, the second in a two-course sequence, explores the impact of chronic disorders on growth, development, movement and aging. Students will use information describing the typically-development and typically aging individual to determine the changes in structure, function and movement expected from a specific pathology. This course is taught from a life span perspective in which social, psychological, and physical factors all interact to impact function. Prerequisite(s): PT 550 and PT 515 and PT 528.
PT 528. Ethical/Legal/Management Issues in Physical Therapy. 3 Hours.
This course allows the student to explore in detail the many legal and ethical issues inherent in the United States health care system. Tools such as the APTA code of Ethics and Standards of Practice, and the Maine Practice Act for Physical Therapy will be utilized while students resolve frequently encountered ethical and legal dilemmas through case study. The course also examines current issues and trends in physical therapy clinical management. Topics such as: reimbursement, human resource management, quality, risk, and information management are covered, to name only a few. Prerequisite(s): PT 420 and PT 412 and PT 416 and PT 418 and PT 450.

PT 530. Rehabilitation of Chronic Conditions. 3 Hours.
This course explores a variety of chronic conditions and their sequelae, including metabolic, vascular, auto-immune, malignant, infectious and traumatic disorders. The course will cover the pathology, medical and surgical management, psychosocial issues, and the role of the physical therapist and other health care team members in patient evaluation and treatment. Prerequisite(s): PT 550 and PT 515.

PT 550. Musculoskeletal I. 4 Hours.
This course provides an introduction to examination, evaluation and treatment for orthopedic conditions with the emphasis on peripheral conditions. Students learn and practice screening examinations and joint specific examinations including special tests. Differential diagnosis through selective tissue tensioning lays the initial foundation for patient case development and practice throughout the course. Students examine commonly utilized orthopedic outcome tools for reliability and validity. Prerequisite(s): PT 416 and PT 418.

PT 552. Musculoskeletal II. 3 Hours.
This is the second of two courses designed to introduce students to the scientific and clinical principles involved in the evaluation and treatment of orthopedic conditions treated by physical therapists. This course will build on the orthopedic evaluation, assessment and intervention skills related to PT 550 Musculoskeletal I, PT 515 Therapeutic Skills III. This course will cover the anatomy, biomechanics, and the skills needed to evaluate and treat orthopedic related pathologies and disorders of the pelvic girdle and spine employing the assessment and intervention techniques from a McKenzie approach to low back pain and a Muscle Energy approach for the spine and pelvis. Additional topics will include Australian Lumbar Stabilization concepts, back school components and set up, ergonomics and work related functional capacity evaluations, work hardening and work conditioning programs. Prerequisite(s): PT 550 and PT 515.

PT 554. Musculoskeletal III. 3 Hours.
This is the third of three courses designed to introduce students to the scientific and clinical principles involved in the evaluation and treatment of orthopedic conditions treated by physical therapists. This course will allow students to acquire more advanced skills in the evaluation and treatment of pelvic girdle, spinal, rib cage and temperomandibular joint related orthopedic pathologies and disorders. Manual therapy techniques will be discussed based on the biomechanics of the skeletal joints. Adjunctive treatment procedures used in orthopedics will be discussed. The goal of this course is to prepare the student to evaluate and treat common disorders of the spine, pelvic girdle, and rib cage and to be able to differentiate between distal and proximal nerve pathologies. Intervention approaches will emphasize the concept of identifying the tissue or tissues in lesion when possible and applying the Optimum Stimulation for Regeneration via manual therapy techniques and exercise. Major emphasis will be placed on Nordic manual techniques with frequent reference to Australian manual therapy concepts and Medical Exercise Training concepts. Case studies will be used to help students apply the concepts. Prerequisite(s): PT 552 and PT 550 and PT 515.

PT 556. Cardiorespiratory. 3 Hours.
This course uses a mix of lectures, labs and small group sessions as well as independent study to help the student develop competencies in assessment and treatment of cardiopulmonary impairments and associated disorders so that they can provide safe and effective patient interventions. Students will develop assessment skills that will enable them to identify acute and chronic cardiopulmonary/ cardiovascular impairments across the lifespan and to choose and apply treatment strategies appropriate to the problems identified during their assessment. Prerequisite(s): PT 528 and PT 552 and PT 601.

PT 561. Pathophysiology. 3 Hours.
This course adds to the knowledge base of the student by providing instruction regarding the pathology of disease states, the implications of the disease as regards system impairments, functional limitations, and disablement. Further, the content will include discussions of the evidence in support of the available treatment of each disease discussed, and how the particular pathology influences the therapeutic regime. Students will participate in lectures and will use several vehicles to disseminate information about a chosen pathology. Prerequisite(s): PT 450 and PT 550.

PT 599. Advanced Physical Therapy Elective. 3 Hours.
This course provides advanced study in small groups of varying areas related to physical therapy practice. Prerequisite(s): PT 603 and PT 610 and PT 650 and PT 608.

PT 600. Clinical Edu III. 4 Hours.
This eight-week full-time clinical experience is designed to provide the student with competency in the intermediate to entry level skills of managing musculoskeletal dysfunction; basic to intermediate skills of managing patients with neurological, cardiopulmonary, and integumentary dysfunctions; and basic to intermediate administrative functions. The learner is expected to actively participate, with supervision, in the entire patient management process, demonstrating critical-thinking skills and effective communication skills. Prerequisite(s): PT 500.
PT 601. Research Methods I. 1 Hour.
This course is the first in a four-semester Research Methods series. Students will work in groups to initiate a research project under the guidance of a faculty researcher. Students will conduct a literature review, formulate research questions, design a research methodology to answer those questions, and develop a research proposal. If appropriate, students will submit the proposal to an Institutional Review Board. Prerequisite(s): PT 420 and PT 412 and PT 450 and PT 515 and PT 550 and MS 345.

PT 602. Research Methods II. 1 Hour.
This course is the second course in a four-semester Research Methods series. It is intended to follow the IRB approval of a research proposal. During this semester students will work in groups with their research advisor to finalize their data collection protocol, establish a data collection management system, seek participants following the guidelines established by the IRB proposal and informed consent process, initiate data collection for their research project, and document collected data following the established management guidelines. Prerequisite(s): PT 601 and PT 552 and PT 528.

PT 603. Research Methods III. 2 Hours.
This course is the third course in the four-semester Research Methods series. It intends to prepare students for writing a journal quality manuscript, with appropriate use of statistical analysis. During this semester, students will work in groups to complete the data collection and analysis for their research projects. Prerequisite(s): PT 602 and PT 554 and PT 560 and PT 520 and PT 561.

PT 604. Research Methods IV. 3 Hours.
This course is the final course in the four-semester Research Methods series. It prepares students for presentation of a completed research study using three different formats, including an oral presentation, a scientific paper, and a poster. The course discusses differences among these three formats, as well as the qualities that contribute to excellence and the pitfalls to avoid in each type of presentation. Students will also gain experience in writing a formal critique of a manuscript. Students are expected to apply the knowledge they have gained from other classes regarding presentations, communication, and education. Prerequisite(s): PT 603 and PT 610 and PT 650 and PT 661 and PT 608.

PT 605. Advanced Anatomy. 1 Hour.
This course provides a review of neural, vascular, and musculoskeletal anatomy initially covered in the first gross anatomy course. This review will make use of previously prosected cadaveric specimens as it integrates knowledge of anatomical pathology learned in previous clinical physical therapy courses. This course serves as a review for the physical therapist licensing exam. Prerequisite(s): PT 603 and PT 610 and PT 650 and PT 661.

PT 608. Management of Children with Neurologic Dysfunction. 3 Hours.
This course is designed to provide the PT student with clinical specialty skills in pediatric neuro-rehabilitation. Students will develop competencies in the assessment and management of the child diagnosed with any of the primary neurological conditions found in pediatrics. A holistic view of the child is stressed, especially the interrelationships among the child, the family, and the community. Prerequisite(s): PT 552 and PT 560 and PT 520.

PT 610. Neuromuscular II. 3 Hours.
This course is the second part of the series in neurological rehabilitation in the Physical Therapy program. It builds on the foundational courses of Neuropathology and Neuromuscular I, covering the pathology, medical management, and physical therapy intervention for a number of neurological conditions that are representative of the most common neurological diagnoses seen in clinical practice. In addition to mastering new treatment techniques and interventions, students will learn to apply the principles and skills learned in previous courses to diverse neurologically-impaired populations. This course also exposes students to current benchmark scientific research related to the conditions studied, emphasizes critical analysis of primary scientific literature. Prerequisite(s): PT 450 and PT 510.

PT 615. Advanced Spinal Manual Therapy. 3 Hours.
This elective course is designed to provide the student with a more in-depth approach to evaluation and treatment techniques for the spine, pelvic girdle and ribs from a manual therapy perspective. The main emphasis of the course will be on improving clinical reasoning skills in identifying the specific lesion(s) and the treatment approach. The second goal is to improve manual skills that emphasize the Nordic approach, the Australian lumbar and pelvic stabilization concepts and the use of exercise in rehab. The treatment concepts are based on current scientific research principles. The lab sessions emphasize the development of palpation and technique application skills. The integration of manual therapy skills with exercise programs and patient education is an important component of this course.

PT 616. Sports Medicine. 3 Hours.
This elective course is designed as an overview of sports medicine from a physician-based model and a sports therapist perspective. This course includes a review of musculoskeletal injuries with an emphasis on manual skills for prevention, evaluation, and treatment of athletic injuries. The physician-based model provides an overview of all body systems as they pertain to athletics. Topics will emphasize variations from young to old and male to female athletes.

PT 617. Orthotics & Prosthetics. 3 Hours.
This course provides an analysis of contemporary upper and lower-limb orthotic and prosthetic components and trunk orthoses, including the biomechanical principles upon which the designs are based. Topics include the static and dynamic evaluation of patients fitted with orthoses and prostheses. Discussion will also include recent trends in early and prosthetic management for adults and children with amputation. The role of physical therapist as part of the rehabilitation team in selecting orthotic and prosthetic devices will be examined. Prerequisite(s): PT 554.

PT 618. Health and Wellness. 3 Hours.
This course is designed as an overview of health and wellness as it can be incorporated into a physical therapy practice. This course will review statistics, risks, treatment options, and prevention strategies for many chronic health problems. Age and gender differences will be reviewed in the discussion of treatment and prevention strategies. Students will work in groups to develop and present a health and wellness business proposal. The final copy of this proposal will be in format suitable to deliver to the student’s next employer. Prerequisite(s): PT 661 and PT 664.
PT 620. Primary Health Care. 2 Hours.
This course provides students with an overview of patient interview and evaluation techniques for the primary health care provider. As autonomous practitioners, physical therapists are responsible for identifying factors that affect a patient’s response to treatment and may necessitate referral to a physician for follow-up and treatment. This course uses a case-based approach to the medical screening process to help students develop interview and evaluation skills that facilitate this process. In addition students will learn to use pharmacological and basic laboratory data essential to the screening process. Prerequisite(s): PT 610 and PT 650 and PT 608.

PT 625. Prosthetics in Rehabilitation. 2 Hours.
This course is designed to present entry level information regarding management of the patient with an upper or lower extremity amputation. The course will be co-taught by the primary instructor and a local prosthetist, each bringing a different perspective and area of expertise to the class. Students will learn about pre-prosthetic management, prosthetic prescription, various prosthetic components, and about therapeutic skills to use when working with a patient who has had an amputation. A multi-disciplinary approach will be emphasized throughout the course. Prerequisite(s): PT 411.

PT 630. The Physical Therapist as Educator, Consultant and Advocate. 2 Hours.
This seminar course is designed to provide an examination of the educational factors supporting successful adult learning within health care settings. Students will examine the impact of identity differences (race, ethnicity, class, gender, disability and other identity differences), adult development theories and learning theories in the education of adults. Students will explore the educational principles and methodologies needed to educate various constituencies within healthcare. Through the application of theories, principles, and methodologies in a community health project, students will acquire the pedagogical foundations to develop, deliver, and evaluate educational products for their clients, professional peers and physical therapy students. Prerequisite(s): PT 552 and PT 560 and PT 520.

PT 640. Medical Imaging and Rehabilitation. 1 Hour.
This course will provide the PT clinical doctoral learner with the tools needed to interpret and apply specialized medical imaging information to the rehabilitation patient. Musculoskeletal imaging is emphasized. A basic introduction of imaging techniques for other physiological systems (CNS, Heart, lung, vascular tree) will also be incorporated (Doppler ultrasound, V/Q scan, echocardiography, radioisotope testing, etc.). This course strengthens physical therapist clinical expertise in comprehensive patient evaluation, diagnosis, treatment planning, and physician interaction. Prerequisite(s): PT 560 and PT 510 and PT 552.

PT 642. Pharmacology and Rehabilitation. 1 Hour.
This course will provide the PT clinical doctoral learner with the primary drug classes and the physiologic basis of their action. Drugs will be grouped according to their general effects and the type of disorders they are routinely used to treat. Special emphasis will be placed on drugs that are commonly used to treat people receiving physical therapy. This course will likewise address how drug therapy interacts with physical therapy, and how drugs can exert beneficial effects as well as adverse side effects that impact on rehabilitation. A specific area of focus will include geriatric pharmacology. Prerequisite(s): PT 561.

PT 650. Patient Care Seminar I. 2 Hours.
This is a seminar course in which the management of variety of actual cases is discussed in small groups. Students will each present both a written and an oral case study, based on a real patient they treated during Clin Ed II. The overall management of the patient, from initial examination to discharge from PT services, as well as follow-up care will be discussed. Discussion will focus on the strengths of the patient management provided, as well as areas that could have been improved. Evidence-based practice, and reflective practice are emphasized. Prerequisite(s): PT 552 and PT 560 and PT 520.

PT 652. Patient Care Seminar II. 1 Hour.
This capstone seminar course builds on the themes of reflective and evidence-based practice that were stressed in PT650. Management of patient cases is discussed in small groups, with additional emphasis placed on independent library research on the seminar topics. Prerequisite(s): PT 650 and PT 700.

PT 661. Exercise for Special Populations. 3 Hours.
This course builds on the knowledge base and the assessment and treatment skills that students developed during their first two years in the professional phase of the DPT. The course will allow students to investigate the role of exercise as a treatment strategy across various conditions and disease states, and across the lifespan. The focus of the course will be mastery of the Knowledge, Skills, and Abilities as set forth by the American College of Sports Medicine in their guidelines and position stands for exercise in various populations. These include, but are not limited to, Heart Disease, Hypertension, Children, Older Adults, Pregnancy, Obesity, and Diabetes. Students will participate in lectures as well as observational experiences in wellness and/or medical settings to further enhance the skills needed to assess and treat complex patients with multi-system involvement. Students will also be responsible for a semester project in which they will be challenged to defend patient interventions using evidence from current literature. Prerequisite(s): PT 560 and PT 561.

PT 664. Geriatrics. 3 Hours.
This course will provide students with the knowledge base for understanding the demographics of aging in industrialized societies, as well as the physical, psychological and emotional aspects of healthy human aging including the affects of age-related diseases and conditions. The students will be required to formulate plans for treatment of the geriatric physical therapy patient including assessment, education, and application of therapeutic interventions. Prerequisite(s): PT 510.

PT 698. Individualized Physical Therapy Remediation. 1-7 Hour.
The Individualized Physical Therapy Remediation is a variably-credit course. In this course, an individual student and a designated faculty member, or members, study subject matter as part of an individualized remediation plan for learning content that was incompletely learned in prior PT courses. The Individualized Physical Therapy Remediation course is available to DPT professional-phase students only with the written recommendation of the Physical Therapy Academic Review Committee.

PT 699. Special Topics in Health Care. 2 Hours.
Variable Topic Course in Physical Therapy.
PT 700. Clinical Education IV. 4 Hours.
This final eight week full-time affiliation provides the learner with competency in the entry-level skills of managing patients with simple to complex musculoskeletal dysfunction, neurologic dysfunction, cardiopulmonary dysfunction, integumentary problems, or complex medical conditions, as well as entry level skills in the administrative functions of the physical therapist. The purpose of this affiliation is to allow the student to participate in the full spectrum of clinical and administrative functions of the physical therapist. The learner is expected to actively participate, with supervision, in the entire patient management process, demonstrating critical-thinking skills and effective communication skills. Prerequisite(s): PT 600.

Doctor in Physical Therapy/B.S. in Kinesiology

Pre-Professional Phase Courses

Doctor in Physical Therapy/B.S. in Kinesiology (Years 1, 2, and 3)

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Foreign Culture and Conversation Elective: 3
Fine Arts Elective: 3
Global Elective: 3
Open Electives: 6
Cocurricular and/or Community Service: 3
Total Hours: 96

*** Credit may not be required for degree completion.

Professional Phase Courses (Years 4, 5, and 6)

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### Suggested Course Sequence

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#### Sixth Year

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### Courses

**PT 200. Intro to Physical Therapy. 0 Hours.**

A seminar based non-credit course to introduce pre-professional students to the curriculum and profession of Physical Therapy.
PT 399. Topic/. 3 Hours.
This elective course provides the opportunity to introduce varied topics concerning kinesiology, anatomy, physiology, or physical therapy. This course is for students enrolled in the preprofessional phase of the physical therapy program. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222.

PT 400. Clinical Edu I. 4 Hours.
An eight week full-time basic physical therapy skills affiliation scheduled in the summer following the first professional year. Designed to provide the learner with competency in the beginning clinical skills of client-therapist interactions, case history development, simple musculoskeletal and functional assessments, application of simple treatment techniques and modalities, participation in the planning and design of treatment program, and basic to intermediate skills in the orthopedic management of peripheral joint dysfunction. Prerequisite(s): PT 550 and PT 515.

PT 410. Gross Anatomy. 5 Hours.
An in-depth study of gross anatomy with an emphasis on muscular, skeletal, neural, and vascular structures and systems. Course content will pay particular attention to functional anatomy of the appendages and their associated girdles, the back, and the head and neck. Lecture and classroom discussions are combined with cadaver dissections to provide a thorough and clinically relevant knowledge base for subsequent diagnostic and treatment-centered courses.

PT 411. Kinesiology & Biomechanics. 3 Hours.
A comprehensive study of human movement with an emphasis on biomechanical and kinesiological concepts of normal and pathological movement of each body region. The course will include lecture and laboratory components that will integrate fundamental mechanical and kinesiological principles in the analysis of joint motion throughout the body. The course builds on anatomical knowledge to give students an in-depth appreciation of how normal and abnormal structure of the body influence movement.

PT 412. Motor Control & Learning. 3 Hours.
This course is a capstone course for the BS in Kinesiology degree. It provides students with a holistic overview of current theoretical and applied perspectives in the field of motor control and learning and discusses their implications for kinesiology and for physical therapy. The course will primarily be focused at the behavioral level of analysis and thus will complement the neurophysiological approach taken in PT 450. A major emphasis in this course will be to compare and contrast the theoretical approaches of information processing and dynamic systems in the understanding of both normal and pathological human motor behavior. Implications for the analysis and treatment of movement disorders stemming from both approaches will be examined. This analysis will allow students to constructively criticize current assumptions underlying motor control for motor performance and neurological rehabilitation, and to understand how theoretical frameworks bias evaluation and treatment options. Given a theoretical understanding of past and current approaches to motor control and learning, students will be able to flexibly design their own exercise and treatment approaches. Students will be required to design and conduct an experiment using current computerized technology in an attempt to answer an applied or basic science motor control question. The data from the experiment will be analyzed and written up as if it were to be submitted for publication in a motor control/learning journal. Students will also present their research to the class on completion of the experiment. Prerequisite(s): PT 411.

PT 415. Therapeutic Skills I. 3 Hours.
This course is designed to introduce students to the assessment and treatment techniques integral to the practice of physical therapy. This course is the first of a three-part series designed to teach the appropriate selection and use of devices and techniques that all physical therapists should be capable of using. The aim of this course is for the student to safely apply the skills learned in this course to patients during the first clinical education placement at the end of year four. This course is divided into two parts. Part One is devoted to learning proper body mechanics, safety procedures, patient approach, and therapeutic massage techniques. Part Two is devoted to goniometry, manual muscle testing, quadrant scanning, and therapeutic exercise of the trunk and extremities.

PT 416. Therapeutic Skills II. 1 Hour.
Therapeutic Skills II is devoted to learning the proper and safe movement of patients between surfaces, including body mechanics, bed mobility, and transfer training. The students will also be introduced to vital signs assessment and the selection and use of devices and techniques related to gait training. Prerequisite(s): PT 415.

PT 417. Physical Agents I. 3 Hours.
This course is designed to introduce the students to the scientific and clinical principles involved in the use of physical agents (modalities) in patient assessment and treatment. The course focuses on thermal, light, sound, electrophysiological, and mechanical agents used by physical therapists to treat patients, and explores the physics, physiology, and clinical aspects of commonly used modalities. The lab part of the course is designed to introduce the students to the use of therapeutic modalities in patient treatment and to allow them to practice application of modalities introduced in lecture. The aim of this course is for the student to understand the indications and contraindications of thermal, sound, and mechanical modalities and to acquire the skills to be able to safely apply them to patients during the first clinical placement.

PT 418. Physical Agents II. 1 Hour.
This is the second part of a two part lab series that builds on content acquired in PT 417. This course focuses on the practice of electrical stimulation and biofeedback used by physical therapists in the treatment of patients. The aim of this course is for the student to understand the indications and contraindications of these modalities and to acquire the skills to be able to safely apply them to patients during the first clinical placement. Prerequisite(s): PT 417.

PT 420. Life Cycles I. 2 Hours.
This course, the first in a two-course sequence, presents the relationship of structure and function to the development of movement skills across the entire life span. Normal physical development and normal movement of an individual is described from the time of conception through old age with emphasis on children under five years and adults over sixty-five years. Students will be introduced to movement disorders that are characteristic of specific age stages. This course is taught from a life span perspective in which social, psychological, and physical factors all interact to influence function. Prerequisite(s): PT 410 and PT 411 and PT 415 and PT 417.
PT 425. Exercise Physiology. 3 Hours.
This course examines human physiologic responses to physical activity. The first three units of the course address acute responses to physical activity, with a focus on metabolic, muscular, cardiovascular, and neuroendocrine homeostatic control mechanisms, as well as the influence of environmental factors on acute responses. The final unit of the course involves a discussion of factors that contribute to fatigue, and examines the evidence regarding adaptations to chronic physical activity and exercise. Students will learn how the principles of frequency, intensity, duration, specificity, and reversibility affect the benefits of physical activity for health and human performance. In addition, performance benefits attributable to the use of ergogenic aids will be discussed. Prerequisite(s): SC 221 and SC 222 and SC 291.

PT 431. Psychosocial Aspects of Physical Therapy. 3 Hours.
The purpose of this three-credit experiential course is to guide the student in the attainment of attitudes, behaviors, and values appropriate to a healthcare practitioner. Through an examination of physical therapy as a profession, students will identify the changing and emerging roles of the physical therapist in the current healthcare environment. Students will be introduced to professional ethics, practice expectations, laws and regulations that define and limit the scope of physical therapy practice. Effective verbal and written communication skills will be emphasized, using issues relevant to physical therapy as vehicles for the practice of communication skills.

PT 435. Principles of Physiology. 3 Hours.
This course provides an overview of human physiology required for the understanding of clinical conditions in patients referred for physical therapy. Prerequisite(s): SC 221 and SC 222 and SC 291.

PT 450. Neurophysiology. 3 Hours.
This course will give students a basic understanding of the neuroanatomical and neurophysiological substrates underlying human perception, movement, cognition and language. The course will pay particular attention to the sensory and motor systems that contribute to the control of posture and movement. Both normal and pathological functioning of the nervous system will be discussed. Common dysfunctions of the neuromuscular system will be addressed through lectures, student literature reviews, and classroom discussion. Students will be required to review recent neuroscience research investigating commonly encountered neural pathologies. Clinical illustrations will be discussed throughout the course. This discussion will include etiology, pathology and therapeutic and pharmacological treatment options where applicable. The course will enable students to apply neuroanatomical knowledge in analyzing a collection of patient signs and symptoms to determine the location and type of CNS lesion. Prerequisite(s): PT 410 and PT 411 and PT 415 and PT 417.

PT 500. Clinical Edu II. 4 Hours.
An eight-week full-time clinical experience during the fall semester of the second professional year. This course is designed to provide the student with competency in the intermediate to entry level skills of managing musculoskeletal dysfunction, basic to intermediate skills of managing patients with neurological dysfunction, and exposure to administrative functions of the physical therapist. Prerequisite(s): PT 400.

PT 510. Neuromuscular I. 3 Hours.
This course provides students with an overview of the examination and treatment of the adult client with a neurological lesion. It presents the philosophies underlying the major treatment approaches, and discusses strengths as well as limitations of these philosophies. The course focuses on the patient who has had a cerebrovascular accident, however the principles presented in this course can be applied to patients with a variety of neurological lesions. A hypothesis-based approach to development of an intervention strategy will be presented and emphasized. Laboratory sessions focus on hands-on management techniques for the patients with neurological deficits. Students will be required to read and critically analyze primary literature related to neurological rehabilitation. Prerequisite(s): PT 420 and PT 412 and PT 416 and PT 418 and PT 450.

PT 515. Therapeutic Skills III. 3 Hours.
This is the third of four courses designed to introduce students to the scientific and clinical principles involved in the use of various therapeutic skills in patient care. This course emphasizes orthopedic evaluation and treatment skills of the upper and lower extremities and some neurological treatment skills related to proprioceptive neuromuscular facilitation (PNF). The emphasis of the class is on development of manual therapy skills and the application of therapeutic exercise prescription. Part of the material pertaining to performing a musculoskeletal screening is taught in the week prior to the start of Fall semester in combination with PT 550 Musculoskeletal I on a different schedule. Prerequisite(s): PT 411 and PT 415.

PT 520. Life Cycles II. 3 Hours.
This course, the second in a two-course sequence, explores the impact of chronic disorders on growth, development, movement and aging. Students will use information describing the typically-development and movement expected from a specific pathology. This course is taught from a life span perspective in which social, psychological, and physical factors all interact to impact function. Prerequisite(s): PT 550 and PT 515 and PT 528.

PT 528. Ethical/Legal/Management Issues in Physical Therapy. 3 Hours.
This course allows the student to explore in detail the many legal and ethical issues inherent in the United States health care system. Tools such as the APTA code of Ethics and Standards of Practice, and the Maine Practice Act for Physical Therapy will be utilized while students resolve frequently encountered ethical and legal dilemmas through case study. The course also examines current issues and trends in physical therapy clinical management. Topics such as: reimbursement, human resource management, quality, risk, and information management are covered, to name only a few. Prerequisite(s): PT 420 and PT 412 and PT 416 and PT 418 and PT 450.

PT 530. Rehabilitation of Chronic Conditions. 3 Hours.
This course explores a variety of chronic conditions and their sequelae, including metabolic, vascular, auto-immune, malignant, infectious and traumatic disorders. The course will cover the pathology, medical and surgical management, psychosocial issues, and the role of the physical therapist and other health care team members in patient evaluation and treatment. Prerequisite(s): PT 550 and PT 515.
PT 550. Musculoskeletal I. 4 Hours.
This course provides an introduction to examination, evaluation and treatment for orthopedic conditions with the emphasis on peripheral conditions. Students learn and practice screening examinations and joint specific examinations including special tests. Differential diagnosis through selective tissue tensioning lays the initial foundation for patient case development and practice throughout the course. Students examine commonly utilized orthopedic outcome tools for reliability and validity. Prerequisite(s): PT 416 and PT 418.

PT 552. Musculoskeletal II. 3 Hours.
This is the second of two courses designed to introduce students to the scientific and clinical principles involved in the evaluation and treatment of orthopedic conditions treated by physical therapists. This course will build on the orthopedic evaluation, assessment and intervention skills related to PT 550 Musculoskeletal I, PT 515 Therapeutic Skills III. This course will cover the anatomy, biomechanics, and the skills needed to evaluate and treat orthopedic related pathologies and disorders of the pelvic girdle and spine employing the assessment and intervention techniques from a McKenzie approach to low back pain and a Muscle Energy approach for the spine and pelvis. Additional topics will include Australian Lumbar Stabilization concepts, back school components and set up, ergonomics and work related functional capacity evaluations, work hardening and work conditioning programs. Prerequisite(s): PT 550 and PT 515.

PT 554. Musculoskeletal III. 3 Hours.
This is the third of three courses designed to introduce students to the scientific and clinical principles involved in the evaluation and treatment of orthopedic conditions treated by physical therapists. This course will allow students to acquire more advanced skills in the evaluation and treatment of pelvic girdle, spinal, rib cage and temperomandibular joint related orthopedic pathologies and disorders. Manual therapy techniques will be discussed based on the biomechanics of the skeletal joints. Adjunctive treatment procedures used in orthopedics will be discussed. The goal of this course is to prepare the student to evaluate and treat common disorders of the spine, pelvic girdle, and rib cage and to be able to differentiate between distal and proximal nerve pathologies. Intervention approaches will emphasize the concept of identifying the tissue or tissues in lesion when possible and applying the Optimum Stimulation for Regeneration via manual therapy techniques and exercise. Major emphasis will be placed on Nordic manual techniques with frequent reference to Australian manual therapy concepts and Medical Exercise Training concepts. Case studies will be used to help students apply the concepts. Prerequisite(s): PT 552 and PT 550 and PT 515.

PT 560. Cardiorespiratory. 3 Hours.
This course uses a mix of lectures, labs and small group sessions as well as independent study to help the student develop competencies in assessment and treatment of cardiopulmonary impairments and associated disabilities so that they can provide safe and effective patient interventions. Students will develop assessment skills that will enable them to identify acute and chronic cardiopulmonary/ cardiovascular impairments across the lifespan and to choose and apply treatment strategies appropriate to the problems identified during their assessment. Prerequisite(s): PT 528 and PT 552 and PT 601.

PT 561. Pathophysiology. 3 Hours.
This course adds to the knowledge base of the student by providing instruction regarding the pathology of disease states, the implications of the disease as regards system impairments, functional limitations, and disablement. Further, the content will include discussions of the evidence in support of the available treatment of each disease discussed, and how the particular pathology influences the therapeutic regime. Students will participate in lectures and will use several vehicles to disseminate information about a chosen pathology. Prerequisite(s): PT 450 and PT 550.

PT 599. Advanced Physical Therapy Elective. 3 Hours.
This course provides advanced study in small groups of varying areas related to physical therapy practice. Prerequisite(s): PT 603 and PT 610 and PT 650 and PT 608.

PT 600. Clinical Edu III. 4 Hours.
This eight-week full-time clinical experience is designed to provide the student with competency in the intermediate to entry level skills of managing musculoskeletal dysfunction; basic to intermediate skills of managing patients with neurological, cardiopulmonary, and integumentary dysfunctions; and basic to intermediate administrative functions. The learner is expected to actively participate, with supervision, in the entire patient management process, demonstrating critical-thinking skills and effective communication skills. Prerequisite(s): PT 500.

PT 601. Research Methods I. 1 Hour.
This course is the first in a four-semester Research Methods series. Students will work in groups to initiate a research project under the guidance of a faculty researcher. Students will conduct a literature review, formulate research questions, design a research methodology to answer those questions, and develop a research proposal. If appropriate, students will submit the proposal to an Institutional Review Board. Prerequisite(s): PT 420 and PT 412 and PT 450 and PT 515 and PT 550 and MS 345.

PT 602. Research Methods II. 1 Hour.
This course is the second course in a four-semester Research Methods series. It is intended to follow the IRB approval of a research proposal. During this semester students will work in groups with their research advisor to finalize their data collection protocol, establish a data collection management system, seek participants following the guidelines established by the IRB proposal and informed consent process, initiate data collection for their research project, and document collected data following the established management guidelines. Prerequisite(s): PT 601 and PT 552 and PT 528.

PT 603. Research Methods III. 2 Hours.
This course is the third course in the four-semester Research Methods series. It intends to prepare students for writing a journal quality manuscript, with appropriate use of statistical analysis. During this semester, students will work in groups to complete the data collection and analysis for their research projects. Prerequisite(s): PT 602 and PT 554 and PT 560 and PT 520 and PT 561.
PT 604. Research Methods IV. 3 Hours.
This course is the final course in the four-semester Research Methods series. It prepares students for presentation of a completed research study using three different formats, including an oral presentation, a scientific paper, and a poster. The course discusses differences among these three formats, as well as the qualities that contribute to excellence and the pitfalls to avoid in each type of presentation. Students will also gain experience in writing a formal critique of a manuscript. Students are expected to apply the knowledge they have gained from other classes regarding presentations, communication, and education. Prerequisite(s): PT 603 and PT 610 and PT 650 and PT 661 and PT 608.

PT 605. Advanced Anatomy. 1 Hour.
This course provides a review of neural, vascular, and musculoskeletal anatomy initially covered in the first gross anatomy course. This review will make use of previously dissected cadaveric specimens as it integrates knowledge of anatomical pathology learned in previous clinical physical therapy courses. This course serves as a review for the physical therapist licensing exam. Prerequisite(s): PT 603 and PT 610 and PT 650 and PT 608 and PT 661.

PT 608. PT Management of Children with Neurologic Dysfunction. 3 Hours.
This course is designed to provide the PT student with clinical specialty skills in pediatric neuro-rehabilitation. Students will develop competencies in the assessment and management of the child diagnosed with any of the primary neurological conditions found in pediatrics. A holistic view of the child is stressed, especially the interrelationships among the child, the family, and the community. Prerequisite(s): PT 552 and PT 560 and PT 520.

PT 610. Neuromuscular II. 3 Hours.
This course is the second part of the series in neurological rehabilitation in the Physical Therapy program. It builds on the foundational courses of Neuropathology and Neuromuscular I, covering the pathology, medical management, and physical therapy intervention for a number of neurological conditions that are representative of the most common neurological diagnoses seen in clinical practice. In addition to mastering new treatment techniques and interventions, students will learn to apply the principles and skills learned in previous courses to diverse neurologically-impaired populations. This course also exposes students to current benchwork scientific research related to the conditions studied, emphasizes critical analysis of primary scientific literature. Prerequisite(s): PT 450 and PT 510.

PT 615. Advanced Spinal Manual Therapy. 3 Hours.
This elective course is designed to provide the student with a more in-depth approach to evaluation and treatment techniques for the spine, pelvic girdle and ribs from a manual therapy perspective. The main emphasis of the course will be on improving clinical reasoning skills in identifying the specific lesion(s) and the treatment approach. The second goal is to improve manual skills that emphasize the Nordic approach, the Australian lumbar and pelvic stabilization concepts and the use of exercise in rehab. The treatment concepts are based on current scientific research principles. The lab sessions emphasize the development of palpation and technique application skills. The integration of manual therapy skills with exercise programs and patient education is an important component of this course.

PT 616. Sports Medicine. 3 Hours.
This elective course is designed as an overview of sports medicine from a physician-based model and a sports therapist perspective. This course includes a review of musculoskeletal therapies with an emphasis on manual skills for prevention, evaluation, and treatment of athletic injuries. The physician-based model provides an overview of all body systems as they pertain to athletics. Topics will emphasize variations from young to old and male to female athletes.

PT 617. Orthotics & Prosthetics. 3 Hours.
This course provides an analysis of contemporary upper and lower-limb orthotic and prosthetic components and trunk orthoses, including the biomechanical principles upon which the designs are based. Topics include the static and dynamic evaluation of patients fitted with orthoses and prostheses. Discussion will also include recent trends in early and prosthetic management for adults and children with amputation. The role of physical therapist as part of the rehabilitation team in selecting orthotic and prosthetic devices will be examined. Prerequisite(s): PT 554.

PT 618. Health and Wellness. 3 Hours.
This course is designed as an overview of health and wellness as it can be incorporated into a physical therapy practice. This course will review statistics, risks, treatment options, and prevention strategies for many chronic health problems. Age and gender differences will be reviewed in the discussion of treatment and prevention strategies. Students will work in groups to develop and present a health and wellness business proposal. The final copy of this proposal will be in format suitable to deliver to the student’s next employer. Prerequisite(s): PT 661 and PT 664.

PT 620. Primary Health Care. 2 Hours.
This course provides students with an overview of patient interview and evaluation techniques for the primary health care provider. As autonomous practitioners, physical therapists are responsible for identifying factors that affect a patient’s response to treatment and may necessitate referral to a physician for follow-up and treatment. This course uses a case-based approach to the medical screening process to help students develop interview and evaluation skills that facilitate this process. In addition students will learn to use pharmacological and basic laboratory data essential to the screening process. Prerequisite(s): PT 610 and PT 650 and PT 608.

PT 625. Prosthetics in Rehabilitation. 2 Hours.
This course is designed to present entry level information regarding management of the patient with an upper or lower extremity amputation. The course will be co-taught by the primary instructor and a local prosthetist, each bringing a different perspective and area of expertise to the class. Students will learn about pre-prosthetic management, prosthetic prescription, various prosthetic components, and about therapeutic skills to use when working with a patient who has had an amputation. A multi-disciplinary approach will be emphasized throughout the course. Prerequisite(s): PT 411.
PT 630. The Physical Therapist as Educator, Consultant and Advocate. 2 Hours.
This seminar course is designed to provide an examination of the educational factors supporting successful adult learning within health care settings. Students will examine the impact of identity differences (race, ethnicity, class, gender, disability and other identity differences), adult development theories and learning theories in the education of adults. Students will explore the educational principles and methodologies needed to educate various constituencies within healthcare. Through the application of theories, principles, and methodologies in a community health project, students will acquire the pedagogical foundations to develop, deliver, and evaluate educational products for their clients, professional peers and physical therapy students. Prerequisite(s): PT 552 and PT 560 and PT 520.

PT 640. Medical Imaging and Rehabilitation. 1 Hour.
This course will provide the PT clinical doctoral learner with the tools needed to interpret and apply specialized medical imaging information to the rehabilitation patient. Musculoskeletal imaging is emphasized. A basic introduction of imaging techniques for other physiological systems (CNS, Heart, lung, vascular tree) will also be incorporated (Doppler ultrasound, V/Q scan, echocardiography, radioisotope testing, etc.). This course strengthens physical therapist clinical expertise in comprehensive patient evaluation, diagnosis, treatment planning, and physician interaction. Prerequisite(s): PT 560 and PT 510 and PT 552.

PT 642. Pharmacology and Rehabilitation. 1 Hour.
This course will provide the PT clinical doctoral learner with the primary drug classes and the physiologic basis of their action. Drugs will be grouped according to their general effects and the type of disorders they are routinely used to treat. Special emphasis will be placed on drugs that are commonly used to treat people receiving physical therapy. This course will likewise address how drug therapy interacts with physical therapy, and how drugs can exert beneficial effects as well as adverse side effects that impact on rehabilitation. A specific area of focus will include geriatric pharmacology. Prerequisite(s): PT 561.

PT 650. Patient Care Seminar I. 2 Hours.
This is a seminar course in which the management of variety of actual cases is discussed in small groups. Students will each present both a written and an oral case study, based on a real patient they treated during Clin Ed II. The overall management of the patient, from initial examination to discharge from PT services, as well as follow-up care will be discussed. Discussion will focus on the strengths of the patient management provided, as well as areas that could have been improved. Evidence-based practice, and reflective practice are emphasized. Prerequisite(s): PT 552 and PT 560 and PT 520.

PT 652. Patient Care Seminar II. 1 Hour.
This capstone seminar course builds on the themes of reflective and evidence-based practice that were stressed in PT650. Management of patient cases is discussed in small groups, with additional emphasis placed on independent library research on the seminar topics. Prerequisite(s): PT 650 and PT 700.

PT 661. Exercise for Special Populations. 3 Hours.
This course builds on the knowledge base and the assessment and treatment skills that students developed during their first two years in the professional phase of the DPT. The course will allow students to investigate the role of exercise as a treatment strategy across various conditions and disease states, and across the lifespan. The focus of the course will be mastery of the Knowledge, Skills, and Abilities as set forth by the American College of Sports Medicine in their guidelines and position stands for exercise in various populations. These include, but are not limited to, Heart Disease, Hypertension, Children, Older Adults, Pregnancy, Obesity, and Diabetes. Students will participate in lectures as well as observational experiences in wellness and/or medical settings to further enhance the skills needed to assess and treat complex patients with multi-system involvement. Students will also be responsible for a seminar project in which they will be challenged to defend patient interventions using evidence from current literature. Prerequisite(s): PT 560 and PT 561.

PT 664. Geriatrics. 3 Hours.
This course will provide students with the knowledge base for understanding the demographics of aging in industrialized societies, as well as the physical, psychological and emotional aspects of healthy human aging including the affects of age-related diseases and conditions. The students will be required to formulate plans for treatment of the geriatric physical therapy patient including assessment, education, and application of therapeutic interventions. Prerequisite(s): PT 510.

PT 698. Individualized Physical Therapy Remediation. 1-7 Hour.
The Individualized Physical Therapy Remediation is a variable-credit course. In this course, an individual student and a designated faculty member, or members, study subject matter as part of an individualized remediation plan for learning content that was incompletely learned in prior PT courses. The Individualized Physical Therapy Remediation course is available to DPT professional-phase students only with the written recommendation of the Physical Therapy Academic Review Committee.

PT 699. Special Topics in Health Care. 2 Hours.
Variable Topic Course in Physical Therapy.

PT 700. Clinical Education IV. 4 Hours.
This final eight week full-time affiliation provides the learner with competency in the entry-level skills of managing patients with simple to complex musculoskeletal dysfunction, neurologic dysfunction, cardiopulmonary dysfunction, integumentary problems, or complex medical conditions, as well as entry level skills in the administrative functions of the physical therapist. The purpose of this affiliation is to allow the student to participate in the full spectrum of clinical and administrative functions of the physical therapist. The learner is expected to actively participate, with supervision, in the entire patient management process, demonstrating critical-thinking skills and effective communication skills. Prerequisite(s): PT 600.
THE NEW ENGLAND SCHOOL OF COMMUNICATIONS

The Mission of the New England School of Communications
The New England School of Communications at Husson University prepares students for careers in the fields of communications, entertainment and information. We educate students in applied technology and in creating content consistent with the platforms that they will be using in their professions. Our instruction is designed to give students not only the critical knowledge but also the technical and creative skills they will need to be successful in their chosen degrees & programs.

Degrees & Programs in the New England School of Communications are:

Bachelor of Science in Communications Technology
Concentrations in:
- Audio Engineering
- Live Sound Technology
- Video Production
- Web Media

Bachelor of Science in Mass Communications
Concentrations in:
- Journalism
- Marketing Communications
- Radio Broadcasting
- Sports Journalism

Bachelor of Science in Entertainment Production
Requirements for New England School of Communications:
The New England School of Communications programs consist of degrees at the Bachelor of Science level. All NESCom majors must earn an overall cumulative grade point average of 2.0 as well as 2.0 in their core and concentration requirements.

Lawrence Ayotte 2014
B.A.S. University of Maine Augusta
M.A. Savanna College of Art and Design
Kristopher Bridges 2014
B.S. New England School of Communications
Walter Clissen 2014
B.F.A. National Higher Institute for Theatre and Performing Arts Belgium
M.F.A. National Higher Institute for Theatre and Performing Arts Belgium
Todd Eastman 2014
B.A. University of Maine
M.F.A. Savanah College of Art and Design
John Easton 2014
B.A. Kenyon College

M.B.A. Husson University
Eric Ferguson 2014
B.M. Berklee College of Music
M.M. California State University
Edward Goguen 2014
B.S. New England School of Communications
M.S.Ed. University of New England
Wellington Gordon 2014
B.A. North Carolina Central University and B.S. Middle Tennessee State University
M.M. Western Carolina University
Laura Gurney 2014
B.A./B.S. University of Maine Orono
M.Ed. University of Orono and M.B.A. Husson University
Jeffrey Hope 2014
B.S. Emerson College
Scott Loiselle 2014
B.M.-SRT University of Massachusetts
M.S. Indiana University Purdue University
Mark Nason 2014
B.S. New England School of Communications
J. Nancy Roberts 2014
B.A. Central Connecticut State University
M.B.A. Husson University
Josh Small 2014
B.S. New England School of Communications
Ken Stack 2014
B.A. Webster College
Scott Traylor 2014
B.S. Drexel University
M.B.A. Husson University
Steven Vachon 2014
B.A. University of Maine
Rodney Verrill 2014
B.S. New England School of Communications
Frank Welch 2014
B.S. Communications Technology

The Bachelor of Science degree in Communications Technology offers the opportunity for students to pursue concentrations in Audio Engineering, Live Sound Technology, Video Production, or Web Media. The coursework in each of these is designed to develop knowledge and skills that bring creativity, art and craft, and technology together. The goal is to prepare graduates for work in the professional communications field.

Requirements for Majors

All Communications Technology majors must earn an overall 2.0 cumulative grade-point average as well as a 2.0 in their CT prefix courses. In addition, certain CT courses require a minimum grade of C+ to progress in the program. Please see individual Communications Technology program requirements for further information. Transfer students must complete a minimum of 15 credit hours in CT prefix courses at Husson.

B.S. Communications Technology - Audio Engineering

The Audio Engineering concentration provides an education in the art and technology of sound and music recording, broadcast audio and audio post-production. Combining hands-on and in-class learning, the program is both exciting and rigorous. Students receive instruction in recording, mixing, and editing, a foundation in the physics of sound, electricity and signal flow, and an in-depth survey of popular music fundamentals. Throughout the program students learn about audio technology, including how to use Digital Audio Workstations (DAWS), plug-ins, operate recording consoles, outboard processors, select & position microphones and industry-standard software such as Pro Tools.

As part of a well-balanced education, the program’s music courses strengthen artistic foundations while core classes in communications help develop the interpersonal skills crucial to success. To prepare for careers in the diverse audio industry, Audio Engineering students participate in a variety of activities, including the recording and mixing of music, providing audio for broadcast, producing audio (post-production) for film and video productions, and practicing the sound reinforcement essentials.

General education requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM 100</td>
<td>Speech</td>
<td>3</td>
</tr>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
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<td>EH 124</td>
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<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
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<tr>
<td>HE 111</td>
<td>The Husson Experience ***</td>
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<td>HY 211</td>
<td>American National Government</td>
<td>3</td>
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<td>HY 301</td>
<td>The 20th Century</td>
<td>3</td>
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<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
<td>4</td>
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<td>MS 132</td>
<td>Probability and Statistics</td>
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<td>PH 110</td>
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PY 111 General Psychology 3
Fine Arts Elective 3
Foreign Culture and Conversation Elective 3
Humanities Elective 3
Lab Science Elective 3-4
Open Electives 6

Communications Technology Core Requirements

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<thead>
<tr>
<th>Course</th>
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<tr>
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Audio Engineering concentration requirements

CT 100 Intro to Video Production 3
CT 110 Audio I - Intro to Audio Technology * 3
CT 110L Audio I - Intro to Audio Technology Lab * 2
CT 111 Music Structure and Style for Audio 3
CT 115 Audio II - Multitrack Recording & Mixing * 3
CT 115L Audio II - Multitrack Recording & Mixing Lab * 2
CT 150Intro to Live Sound * 3
CT 150L Intro to Live Sound Lab * 2
CT 213 Pro Tools I * 3
CT 215 Music Production & Theory 3
CT 220 Critical Listening 3
CT 225 Audio III * 3
CT 225L Audio III Lab * 2
CT 230 Principles of Effective Recording * 3
CT 230L Principles of Effective Recording Lab * 2
CT 312 Pro Tools II Post 3
or CT 313 Pro Tools II Music
CT 335 Electronic Music Technology 3
CT 416 Fundamentals of Audio Post * 3
CT 417 Advanced Audio Engineering * 3
CT 431 Advanced Music Production 4
or CT 429 Advanced Audio Post
MC/CT/EP Elective 9

Total Hours 125-126

Suggested Course Sequence

First Year

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<th>Hours</th>
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& 110L* |
| EH 123 |                                                    | 3    | CT 150 | 5     |
& 150L  |
| HE 111 |                                                    | 1    | EH 124 | 3     |
*** |
| HY 211 |                                                    | 3    | CT 213 | 3     |
| HY 301 |                                                    | 3    | CT 121 | 3     |

15 15
## Second Year

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<td>5 CT 225 &amp; 225L</td>
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<td>MS 132</td>
<td>3 CT 230 &amp; 230L</td>
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### Third Year

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<tr>
<td>CT 429 or 431</td>
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</table>

Total Hours: 125-126

* In order to move on in the Audio Engineering Program a grade of C+ or higher must be achieved in the following courses: CT 110; CT110L; CT213; CT115; CT115L; CT225; CT225L; CT230; CT230L; CT417; CT416

*** May not be required for degree completion.

## B.S. Communications Technology - Live Sound

In the Live Sound Technology concentration, students build the technical and creative skills required to provide audio for concerts, theatrical productions, live television, and sporting events. Merging academic instruction in audio, electronics, music, and systems design, with hands-on training in equipment operation and show management, the concentration prepares students to begin their careers with both knowledge and experience. Specialized courses provide the knowledge and technical skills required to understand the principles of sound, electricity and signal flow, use Pro Tools and other software, design and install touring-level sound systems, set-up and operate the mixing and monitoring consoles, manage wireless microphone systems, operate lighting systems, troubleshoot technical issues, and manage fast-paced events. On and off campus concerts, television variety shows, and sporting events provide students with experiential learning opportunities that take the classroom into the real world.

### General education requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
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<td>HY 211 American National Government</td>
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<td>HY 301 The 20th Century</td>
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<td>MS 141 Contemporary College Algebra</td>
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<td>MS 132 Probability and Statistics</td>
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### Communications Technology Core Requirements

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<tr>
<td>CT 121 Computer Applications</td>
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<tr>
<td>EP 118 Entertainment Safety</td>
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<td>MC 101 Introduction to Media</td>
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<td>MC 301 Career Preparation</td>
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<tr>
<td>MI 331 Networking</td>
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<td>PH 110 Introduction to Ethics</td>
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### Live Sound Technology concentration requirements

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<td>CT 100 Intro to Video Production</td>
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<td>CT 110 Audio I - Intro to Audio Technology</td>
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<td>CT 110L Audio I - Intro to Audio Technology Lab</td>
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<td>CT 111 Music Structure and Style for Audio</td>
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<td>CT 150 Intro to Live Sound</td>
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<tr>
<td>CT 213 Pro Tools I</td>
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<td>CT 250 Live Sound II</td>
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<td>CT 250L Live Sound II Lab</td>
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<td>CT 351 Digital Audio for Live Sound</td>
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<td>CT 351L Event Practicum</td>
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<td>CT 352 Sound Reinforcement and Speaker Systems</td>
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<td>CT 404 Stage Wiring &amp; Electronic Troubleshooting</td>
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<tr>
<td>CT 419 Live Sound Mixing</td>
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<td>CT 419L Live Sound Event Practicum</td>
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<td>CT 430 Live Performance Production</td>
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<td>CT 430L Live Performance Production Event Practicum</td>
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<td>EP 131 Fundamentals of Stage Lighting</td>
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## Suggested Course Sequence

### First Year

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<td>EH 124</td>
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<td>CT 121</td>
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<td>CT 213*</td>
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<td>EH 123</td>
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<td>CT 150 &amp; 150L*</td>
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Total Hours: 15

### Second Year

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Total Hours: 15

### Third Year

<table>
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<tr>
<td>CM 200</td>
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<td>CT 404</td>
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<td>CT 351 &amp; 351L*</td>
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<td>MI 331</td>
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<td>CT 352*</td>
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<td>EP 118</td>
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<td>HY 211</td>
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Total Hours: 16

### Fourth Year

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<td>Foreign Culture and Conversation Elective</td>
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<td>Humanities Elective</td>
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<td>MC/CT/EP Elective</td>
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Lab Science Elective 3-4
Open Electives 6

### General Education Requirements:

- CM 100 Speech 3
- EH 123 Rhetoric and Composition I 3
- EH 124 Rhetoric and Composition II 3
- EH 200 Approaches to Literature 3
- HE 111 The Husson Experience *** 1
- HY 211 American National Government 3
- HY 301 The 20th Century 3
- MS 141 Contemporary College Algebra 4
- MS 132 Probability and Statistics 3
- PY 111 General Psychology 3
- Fine Arts Elective 3
- Foreign Culture and Conversation 3
- Humanities Elective 3
- Lab Science Elective 3-4

### Communications Technology Core Requirements

- CM 200 Interpersonal Communication 3
- CT 121 Computer Applications for Digital Media 3
- CT 202 Web Design for Non-Majors 3
- MC 101 Introduction to Media 3
- MC 301 Career Preparation 1
- MI 331 Networking 3
- PH 110 Introduction to Ethics 3

### Video Production Concentration Requirements

- CT 100 Intro to Video Production * 3
- CT 105 Video Production I 2

* In order to move on in the Live Sound Program a grade of C+ or higher must be achieved in the following courses: CT 213; CT150; CT150L; CT250; CT250L; CT260; CT351; CT419
*** Credit may not be required for degree completion.

---

Students in the Video Production concentration achieve learning objectives that range from broadcast operations to video production to digital film-making. Students acquire the knowledge and skills for video and audio acquisition and shooting, editing, directing, lighting, computer network operations, replay, graphics, compositing, animation and switching. They use industry standard software and hardware such as Avid Media Composer, Adobe Premier and After Effects, EVS, Sony, Grass Valley and Red. The lessons learned in the classroom are transposed to real-world environments and projects that can involve film-making, documentaries, commercial production, TV broadcast, and sports production. These events provide students with the opportunity to work with industry standard equipment, creating high-definition content. Students also learn about the distribution of video content through broadcast, web streaming, film-making and live venues.

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- **B.S. Communications Technology - Video Production**
- **Total Hours: 125-126**
- **Lab Science Elective**: 3-4
- **Open Electives**: 6
Suggested Course Sequence

First Year

<table>
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Second Year

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<td>CT 243*</td>
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<td>MS 132</td>
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Third Year

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<th>Hours</th>
<th>Spring</th>
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<td>CT 202</td>
<td>3</td>
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<td>MI 331</td>
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<td>CT 234*</td>
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CT Elective 3 Humanities Elective 3 15-16 15

Fourth Year

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<td>CT 441</td>
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Total Hours: 122-123

* To progress within the Video Production Program the student must achieve a C+ in the following courses: CT 100; CT 105; CT 105L; CT 205; CT 205L; CT 224; CT 224L; CT 234; CT 338; CT 243; CT 248; CT 315

*** Credit may not be required for degree completion.

B.S. Communications Technology - WebMedia

Students in the WebMedia concentration attain learning objectives in the visual and functional design of user-centered websites and web applications that meet both client and user needs with regard to visual aesthetics, layout, user experience and interactions. Students will learn how to develop for both desktop, and mobile delivery using the content, presentation and behavior layers of the web as well as the model, view, controller architecture. As part of the coursework students have the opportunity to work with clients learning to define, plan, implement and manage web projects, These include the initial gathering of project requirements through design, development, quality assurance, launch and post launch phases ensuring quality deliverables as measured against client expectations. Lastly students will be able to apply marketing and business process concepts in the design, development and support of websites and web applications including best practice techniques with regard to search and social media marketing.

General education requirements

<table>
<thead>
<tr>
<th>CM 100</th>
<th>Speech</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
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<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
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Open Electives 6

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<td>CM 200 Interpersonal Communication</td>
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<td>CT 121 Computer Applications for Digital Media</td>
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<td>4 EH 124</td>
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<td>3 MS 132</td>
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<td>CT 305</td>
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### Third Year

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Total Hours: 120-121

*** Credit may not be required for degree completion.

### B.S. Entertainment Production

The Bachelor of Science degree in Entertainment Production offers the opportunity for students to pursue careers in the technical and artistic side of the entertainment industry. The coursework is designed to develop knowledge and skills that bring together professional design concepts, technology, and management skills. This program is designed to educate students for careers in the technical fields that create and support events, performances, and entertainment.

#### Requirements for Major

All Entertainment Production majors must earn an overall 2.0 cumulative grade-point average as well as a 2.0 in their EP prefix courses. In addition, transfer students must complete a minimum of 15 credit hours in EP prefix courses at Husson.

### B.S. Entertainment Production

The Entertainment Production program focuses on professional design concepts, technologies, and management skills for the event and entertainment industry. This program is designed to educate students in the knowledge and skills that create the visual, lighting, projection, show control technology, designing and constructing sets, audio and special effects that audiences have come to expect in performances, venues and entertainment. Our primary venue for experiential learning is the Gracie Theatre. The Entertainment Production program can prepare students for positions in theatres, concert and athletic venues, cruise ships and trade shows that now feature theatrical effects to grab the attention of the audience.

#### General education requirements
### First Year

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<td>EP 122</td>
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Total Hours: 15-16

### Second Year

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<td>EP 131</td>
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<td>MS 132</td>
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Total Hours: 15-16

### Third Year

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Total Hours: 15-16

### Fourth Year

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<td>EP 448</td>
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Total Hours: 15-16

Total Hours: 122-123

* Must be taken twice
*** Credit may not be required for degree completion.

### B.S. Mass Communications

The Bachelor of Science degree in Mass Communications offers the opportunity for students to pursue a concentration in Journalism, Marketing Communications, Radio Broadcasting, or Sports Journalism. The coursework in each of these is designed to develop knowledge and skills that bring creativity, craft, content and technology together. The goal is to prepare graduates for work in the professional communications field.
Requirements for Majors

All Mass Communications majors must earn an overall 2.0 cumulative grade-point average as well as a 2.0 in their MC prefix courses. In addition, transfer students must complete a minimum of 15 credit hours in MC prefix courses at Husson.

B.S. Mass Communications - Journalism

The Journalism concentration prepares students with the skills and knowledge that journalists need to ethically report on stories and craft them into compelling pieces. Students learn how to report stories using multiple platforms including print, radio, TV and the Web. Not only are the essentials of interviewing, investigating and reporting taught, but students will also learn the skills to capture and edit audio and video. As an integral part of the journalism concentration students will receive hands-on experience interviewing community leaders and writing articles for the online campus newspaper, The Spectator. WHSN 89.3-FM, our television newscast, the NESCom Connection, and the NESCom Broadcast Network offer more opportunities to write, report, produce and anchor news. It is built on the goal of educating professional multi-media journalists.

General Education Requirements:

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<td>EH 200 Approaches to Literature</td>
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<td>HE 111 The Husson Experience***</td>
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<td>HY 211 American National Government</td>
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<td>HY 213 State and Local Government</td>
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<td>MS 132 Probability and Statistics</td>
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Mass Communications Core Requirements

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<tr>
<td>CM 200 Interpersonal Communication</td>
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<td>CT 100 Intro to Video Production</td>
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<td>MC 101 Introduction to Media</td>
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<td>MC 236 History of Mass Communications</td>
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<td>MC 301 Career Preparation</td>
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Journalism concentration requirements

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<td>MC 217 TV News Writing &amp; Reporting</td>
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<td>MC 223 Reporting and Writing for Print</td>
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<td>MC 235 Web Reporting</td>
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<td>MC 314 Cross-Cultural Reporting</td>
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<td>MC 322 Social Media Marketing</td>
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<td>MC 324 Editorial/Column Writing</td>
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Total Hours 120-121

Suggested Course Sequence

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Second Year

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<td>MC 217</td>
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Third Year

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Fourth Year

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Foreign Culture and Conversation Elective 3  MC/CT/EP Elective 3
Open Elective 3  Open Elective 3

Total Hours: 120-121

*** Course may not be required for degree completion.

B.S. Mass Communications - Marketing Communications

The Marketing Communications concentration offers students an education that focuses on the communication of an organization’s brand, image, and reputation as well as learning how to influence consumers through the use of marketing, public relations, advertising, and social media. This concentration provides opportunities for students to build their knowledge and skills with graphic design, photography, writing, video, and web design along with a core of business and marketing courses. As students progress in this concentration, they will have the opportunity to work with clients to apply the knowledge and skills while acquiring a professional portfolio of work.

General education requirements

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Mass Communications Core Requirements

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Marketing Communications Concentration Requirements

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MC 245 Graphic Design for Print 3
MC 316 Advertising Campaigns 3
MC 317 Public Relations Techniques 3
MC 319 Media Marketing and Sales 3
MC 322 Social Media Marketing 3
MC 335 Graphic Design for Print II 3
MC 338 Communication Research Methods 3
MC 418 Marketing Communications Campaigns 3
MC/CT/EP Elective 12

Total Hours 120-121

Suggested Course Sequence

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### B.S. Mass Communications - Radio Broadcasting

The Radio Broadcasting concentration offers students an education in the on-air presence, management and operations of radio broadcasting and media. It is closely integrated with Husson’s campus radio station WHSN 89.3-FM. The campus radio station provides students with opportunities to apply the skills and knowledge they have learned within the classroom through significant on-air time in the station each week, starting as early as the first semester. The radio-broadcasting curriculum prepares students for multiple roles within a radio station with courses in music and sports programming, commercial and show production, web presence, promotions, media sales, and station management.

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**Total Hours: 120-121**

**Suggested Course Sequence**

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**Total: 17**

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Foreign Culture and Conversation Elective 3  Open Elective 3  

Total Hours: 120-121  

Credit may not be required for degree completion.

**B.S. Communications Technology - Sports Journalism**

The Sports Journalism concentration prepares students to become a multi-media sports journalist. Students learn how to write and relate information for multiple platforms including print, radio, TV and the Web. Students gain hands-on experience reporting sports news, conducting interviews and providing play-by-play along with commentary. Depending on the semester, students work live on the campus radio station WHSN 89.3-FM, the NESCom Broadcast Network, the student run online newspaper, *The Spectator* or the television productions the *NESCom Connection* and *The Locker Room*. Students also learn about careers as a sports information specialist and sports producer opening up various career paths.

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**Sports Journalism concentration requirements**

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<td>Foreign Culture and Conversation Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 120-121

*** Credit may not be required for degree completion.

**NESCom Certificates**

These certificate programs teach skills that are directly transferable to the workplace or as credits toward a degree at Husson University. Students who are currently enrolled in a degree program at Husson can add a certificate to their credentials as well. Hands-on classes offer high-level training in the most current industry practices and emphasize learning by doing. Instructors are respected professionals currently working in the field. You may choose from the following options of certificates at the New England School of Communications:

- Entertainment and Design Technology
- Entertainment Production
- Graphic Design
- Web Design
- Web Media

**Certificate - Entertainment & Design Technology**

Students interested in broadening their skills in the technical operations of entertainment venues should consider a Certificate in Entertainment Design and Technology. This program covers basic design, stage automation, lighting, audio and CAD design.

These courses can be applied towards a B.S. degree at Husson University in any appropriately related field, as a way to augment a student’s current degree and provide for the diverse challenges found in the many career opportunities within the communications industry.

**REQUIRED COURSES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP 111</td>
<td>Introduction to Theatre</td>
<td>3</td>
</tr>
<tr>
<td>EP 118</td>
<td>Entertainment Safety</td>
<td>3</td>
</tr>
<tr>
<td>EP 122</td>
<td>Entertainment Design &amp; Technology I</td>
<td>3</td>
</tr>
<tr>
<td>EP 131</td>
<td>Fundamentals of Stage Lighting</td>
<td>3</td>
</tr>
<tr>
<td>EP 221</td>
<td>Computer Aided Drafting/3D Visualization</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one from the following 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP 210</td>
<td>Audio for Event Management</td>
</tr>
<tr>
<td>EP 231</td>
<td>Advanced Stage Lighting</td>
</tr>
<tr>
<td>EP 322</td>
<td>Entertainment Design and Technology II</td>
</tr>
<tr>
<td>FA 120</td>
<td>Drawing I</td>
</tr>
<tr>
<td>FA 205</td>
<td>Painting I</td>
</tr>
<tr>
<td>MI 331</td>
<td>Networking</td>
</tr>
</tbody>
</table>

Total Hours 15

**Certificate - Graphic Design**

The Certificate in Graphic Design Certificate spotlights the design process and how to develop a piece from concept to delivery. The program covers design and technology processes that are used in print, web, visual and production design. Students will learn the elements of and how to design posters, packages, publications, exhibitions, information displays and web pages. Students will learn imaging creation using contemporary technical skills and industry standard software. These studio courses provide students with practical experience in design across multiple design disciplines and media. Students will develop a portfolio that demonstrates their design skill and knowledge.

These courses can be applied towards a B.S. degree at Husson University in any appropriately related field, as a way to augment a student’s current degree or for a professional interested in advancing his skill set or exploring a new career field.

**CORE COURSES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT 245</td>
<td>Digital Photography I</td>
<td>3</td>
</tr>
<tr>
<td>MC 245</td>
<td>Graphic Design for Print</td>
<td>3</td>
</tr>
<tr>
<td>MC 329</td>
<td>Digital Illustration for Design</td>
<td>3</td>
</tr>
<tr>
<td>MC 335</td>
<td>Graphic Design for Print II</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one from the following 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT 202</td>
<td>Web Design for Non-Majors</td>
</tr>
<tr>
<td>FA 120</td>
<td>Drawing I</td>
</tr>
</tbody>
</table>

Total Hours 15

**Certificate - Entertainment Production**

This certificate program is designed to provide an overview of the conceptual skills demanded by the entertainment industry. The program covers basic concepts and skills in design, technology and management process that are used in entertainment venues such as stages, concerts, cruise ships, trade shows, and theme parks.

These courses can be applied to a B.S. degree at Husson University in any appropriately related field, as a way to augment a student’s current degree and provide for the diverse challenges found in the many career platforms within the communications industry. This Certificate will also be of value to Husson’s International initiatives, as it creates a broad overview of the entire EP Program.

**REQUIRED COURSES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP 111</td>
<td>Introduction to Theatre</td>
<td>3</td>
</tr>
<tr>
<td>EP 118</td>
<td>Entertainment Safety</td>
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</tr>
<tr>
<td>EP 122</td>
<td>Entertainment Design &amp; Technology I</td>
<td>3</td>
</tr>
<tr>
<td>EP 131</td>
<td>Fundamentals of Stage Lighting</td>
<td>3</td>
</tr>
<tr>
<td>EP 225</td>
<td>History of Theatre</td>
<td></td>
</tr>
<tr>
<td>EP 240</td>
<td>Production Management</td>
<td></td>
</tr>
<tr>
<td>EP 310</td>
<td>Business of Theatre</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 15
Certificate - Web Design

The Certificate in Web Design is suited for any professional or aspiring entrepreneur wanting to have a solid foundation in core web concepts and technologies including HTML, CSS and Javascript. The Certificate in Web Design will prepare students to be able to intelligently interface with internal or external web or marketing teams in professional settings in support of web and web marketing initiatives, to be able to maintain and manage an existing web presence, and to be able to define, design, develop and deploy a basic web presence.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT 201</td>
<td>WebMedia Imaging</td>
<td>3</td>
</tr>
<tr>
<td>CT 207</td>
<td>Web Design - Content Layer</td>
<td>3</td>
</tr>
<tr>
<td>CT 209</td>
<td>Web Design - Presentation Layer</td>
<td>3</td>
</tr>
<tr>
<td>CT 211</td>
<td>Search Engine Marketing</td>
<td>3</td>
</tr>
<tr>
<td>CT 223</td>
<td>User Experience and Interaction Design</td>
<td>3</td>
</tr>
<tr>
<td>CT 331</td>
<td>Web Design Behavior Layer</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

Certificate - Web Media

The Certificate in Web Media provides a basic knowledge in the use of media-related software tools, general web concepts, search marketing and user-experience and interaction design as well as the ability to communicate an market driven perspective with regard to all media. This certificate benefits anyone, including international students, seeking a broad overview of the web, websites, and web marketing.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT 121</td>
<td>Computer Applications for Digital Media</td>
<td>3</td>
</tr>
<tr>
<td>CT 202</td>
<td>Web Design for Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>CT 211</td>
<td>Search Engine Marketing</td>
<td>3</td>
</tr>
<tr>
<td>CT 223</td>
<td>User Experience and Interaction Design</td>
<td>3</td>
</tr>
<tr>
<td>MC 101</td>
<td>Introduction to Media</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>
THE SCHOOL OF PHARMACY

Vision Statement
The Husson University School of Pharmacy (HUSOP) will be a regional leader in integrative pharmacy education committed to improving the practice of pharmacy and rural health care delivery in the State of Maine.

Mission Statement
Graduates of the Husson University School of Pharmacy will be capable of providing patient- and population-centered pharmaceutical care. The educational outcomes of the program encompass disease management, health promotion, systems management, communication, problem solving, and professionalism. The School of Pharmacy is committed to delivering these outcomes by learned and diverse faculties who excel in teaching and contribute to the profession and community through scholarly activities and service.

Accreditation
The Husson University School of Pharmacy program is accredited by the Accreditation Council for Pharmacy Education, 135 South LaSalle Street, Suite 4100, Chicago IL, 60603; 312/644-3575; FAX 312/664-4652, website www.acpe-accredit.org (http://www.acpe-accredit.org).

Admissions Policies
(Please visit the HUSOP website for the most up to date policies).

Completion of at least two years (60 credits) of college including the following prerequisites:

- General Biology with Labs; 2 semesters (8 credits)
- Anatomy and Physiology with Labs; 2 semesters (8 credits)
- General Chemistry with Labs; 2 semesters (8 credits)
- Organic Chemistry with Labs; 2 semesters (8 credits)
- Calculus: 1 semester (3 credits)
- Statistics and Probability: 1 semester (3 credits)
- English Composition/Writing: 2 semesters (6 credits)
- Economics (Macro or Micro): 1 semester (3 credits)
- Introduction to Psychology/Sociology: 1 semester (3 credits)
- Speech: 1 semester (3 credits)
- General Education Electives* (6 credits)
- *Choose one from two separate areas: Humanities, History, Philosophy/Ethics, Foreign Culture/Conversation, and Fine Arts.

In addition:

- Submission of PCAT scores (School code = 159)
- Submission of all college transcripts
- Personal interview (if invited is at student’s expense)

AP/CLEP Credits
Applicants cannot use AP/CLEP credits in science (Chemistry, Biology) or math to meet the pre-pharmacy requirements. Students have the option of taking a more advanced course in the area for the same number of credits or more. For example, a student who has AP credit in Calculus 1 may take Calculus 1 or Calculus 2. The laboratory component must be taken with a laboratory-based course.

Credit Age Limit
College credits in the science and math prerequisites over five years old may not be considered in the application process. Students may be required to take refresher courses (e.g., Organic Chemistry with lab, Anatomy and Physiology with lab, Calculus, Statistics), especially if they have not had any recent coursework or work responsibilities in any one of these given areas.

Criminal Background Check
The nature of the post-graduate licensure as well as the potential placement in a variety of pharmacy practice setting requires all applicants answer questions related to past criminal complaints and convictions and once admitted submit to a criminal background check. An adverse criminal background check may affect admissions, progressions, and graduation.

Foreign Credits
Students may submit courses taken at foreign colleges/ universities. The transcripts must be evaluated by a reputable service based in the United States. There is no guarantee that any or all courses will be accepted. Applicants who take course in Canada do not have to have their transcripts evaluated by such a service.

Guaranteed Interview
Husson students who are offered a guaranteed interview must earn a 3.5 math/science pre-pharmacy GPA or greater, score at least an 80th percentile on the PCAT, and successfully pass any other admissions requirements (e.g., interview).

Minimum Application Requirements
In order to apply, an applicant must have successfully completed the majority of the Biology/Anatomy & Physiology (three-quarters), Chemistry (three-quarters) and Math (half) coursework prior to the application deadline. Students must also forward their PCAT scores prior to the date. The minimum Math/Science pre-pharmacy GPA to apply is 2.75 on a 4.0 scale.

PCAT
Students are required to take the Pharmacy College Admissions Test before the posted deadline. Students may take the test more than once before this time, with the highest score counting. Scores have a three year age limit, unless a new test version has been introduced. In the event a new version has been introduced in the past three years, applicants must take the most current version.

Repeat Penalty
Applicants will be penalized for repeating pre-pharmacy science or math courses in which they earned a grade less than a C (2.0). These courses include Biology/Anatomy & Physiology, General/Inorganic Chemistry, Organic Chemistry, Calculus and Statistics. There is no penalty for withdrawing from a course. However a Withdrawal/Failing (WF) grade will be penalized as if it were a failing grade.

Transcripts
Applicants are required to submit official transcripts for all colleges attended prior to the application deadline. Husson students need not submit transcripts, unless they have taken a course elsewhere and have not submitted the transcript to Husson prior to making application to the School of Pharmacy.
Pre-Pharmacy Program

The following coursework includes the minimum requirements to fulfill the course prerequisites for the Doctor of Pharmacy program in the Husson School of Pharmacy. Note: Chemistry, Biology and Math courses taken more than five (5) years ago are not routinely accepted for meeting pre-pharmacy requirements and will be evaluated on a case-by-case basis.

General Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Chemistry with labs</td>
<td>8</td>
</tr>
<tr>
<td>Organic Chemistry with labs</td>
<td>8</td>
</tr>
<tr>
<td>General Biology with labs</td>
<td>8</td>
</tr>
<tr>
<td>Human Anatomy and Physiology with labs</td>
<td>8</td>
</tr>
<tr>
<td>Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>Economics (Macro or Micro)</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Psychology/Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Speech</td>
<td>3</td>
</tr>
<tr>
<td>General Education Electives</td>
<td>6</td>
</tr>
</tbody>
</table>

Husson Pre-Pharmacy Coursework

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 211 Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>BA 212 Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>CM 221 Professional Communications</td>
<td>3</td>
</tr>
<tr>
<td>EH 123 Rhetoric and Composition I</td>
<td>3</td>
</tr>
<tr>
<td>EH 124 Rhetoric and Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MS 132 Probability and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MS 181 Calculus with Applications</td>
<td>4</td>
</tr>
<tr>
<td>PY 111 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SC 181 Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>SL 181 Chemistry Lab I</td>
<td>1</td>
</tr>
<tr>
<td>SC 182 Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>SL 182 Chemistry Lab II</td>
<td>1</td>
</tr>
<tr>
<td>SC 191 General Biology I</td>
<td>3</td>
</tr>
<tr>
<td>SL 191 General Biology Lab I</td>
<td>1</td>
</tr>
<tr>
<td>SC 192 General Biology II</td>
<td>3</td>
</tr>
<tr>
<td>SL 192 General Biology Lab II</td>
<td>1</td>
</tr>
<tr>
<td>SC 221 Anatomy and Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>SL 221 Anat/Physiology Lab I</td>
<td>1</td>
</tr>
<tr>
<td>SC 222 Anatomy and Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>SL 222 Anatomy/Physiology Lab II</td>
<td>1</td>
</tr>
<tr>
<td>SC 381 Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>SL 381 Organic Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>SC 382 Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>SL 382 Organic Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>SY 201 Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Two General Education D Electives</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Hours 125

Three quarters of the Chemistry prerequisites need to be successfully completed prior to the application deadline.

Three quarters of the Biology/A&P prerequisites need to be successfully completed prior to the application deadline.

One of the two math prerequisites needs to be successfully completed prior to the application deadline.

Choose one from two separate areas: Humanities, History, Philosophy/Ethics, Foreign Culture/conversation, and Fine Arts.

Transfer Credit

Pre-pharmacy transfer guidelines from numerous undergraduate programs in the northeast and New Brunswick have been established and are posted on the website (http://www.husson.edu/?cat_id=1251).

A student who has attended, or is currently attending, another college/school of pharmacy and who wishes to pursue pharmacy education at Husson University must:

1. be in good academic standing at the college of origin and able to continue,
2. submit transcripts of all college courses, and
3. have the dean of the previous college/school attended provide a letter of recommendation directly to the Dean of the Husson University School of Pharmacy, One College Circle, Bangor ME 04401-2999. Space must be available in the appropriate class at Husson in order for the transfer to proceed.

Grading

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade-Point Average</th>
<th>Range dependent on course</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.0</td>
<td>95-100</td>
</tr>
<tr>
<td>A-</td>
<td>3.7</td>
<td>90-94</td>
</tr>
<tr>
<td>B+</td>
<td>3.3</td>
<td>87-89</td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
<td>83-86</td>
</tr>
<tr>
<td>B-</td>
<td>2.7</td>
<td>80-82</td>
</tr>
<tr>
<td>C+</td>
<td>2.3</td>
<td>77-79</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
<td>73-76</td>
</tr>
<tr>
<td>C-</td>
<td>1.7</td>
<td>70-72</td>
</tr>
<tr>
<td>D+</td>
<td>1.3</td>
<td>67-69</td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
<td>63-66</td>
</tr>
<tr>
<td>D-</td>
<td>0.7</td>
<td>60-62</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
<td>&lt;60</td>
</tr>
</tbody>
</table>

Academic Policy

Progressions - A student must have a Pharmacy Cumulative GPA of 2.00 or above at the end of the first, second, and third professional years and meet all other progressions criteria related to experiential requirements, attainment of the necessary number of Professional Development Units (PDU), and be current in all required immunizations and certifications in order to proceed in the curriculum.

Pharmacy Cumulative GPA is computed based on all professional pharmacy courses.

Only the first four pharmacy electives will be used in computing the Pharmacy Cumulative GPA.

Any electives taken other than when scheduled in the professional pharmacy curriculum will not be used in computing the Pharmacy Cumulative GPA.
Academic Probation

- A student who must retake one or more courses as detailed below will be placed on academic probation.
- Students who are on academic probation must meet with the Assistant Dean to develop a plan to retake course(s) and to discuss issues regarding the student’s performance, resources available, and consequences of earning further unsatisfactory grades.
- Students on academic probation are not permitted to serve in any student leadership position or on HUSOP committees. In addition, students on academic probation will not be granted permission to miss class time in order to attend outside school-sanctioned events (e.g., conferences, etc.).
- Students who have successfully remediated their course(s) will be removed from academic probation.

Course Repetition and Progressions

- A student must retake any course for which an "F" was earned. An elective course may not be retaken, unless permission is granted from the instructor.
- Students must successfully complete the required core courses and practice experience with a minimum annual GPA = 2.00 before progressing to the next academic year.
- A student will not be allowed to repeat a course for which a grade equal to or greater than a C (2.0) has been earned.
- Summer remediation may be offered for some didactic courses; however, students may not take more than two of these courses at a time.

Academic Dismissal

A student shall be academically dismissed from the School of Pharmacy whenever one or more of the following conditions occurs:

- Failure of two or more classes in the professional program.
- Failure to graduate within six years of matriculation.

Student performance will be evaluated at the end of each semester.

Dismissal Appeal

Students who are dismissed from the School of Pharmacy for academic reasons may appeal in writing to a committee comprised of the Dean, Associate Dean, Assistant Dean and Chairs of the School of Pharmacy with the final decision relative to the appeal resting with the Dean of the School of Pharmacy.

Academic Withdrawal

Should a student decide to leave the program for personal or medical reasons, an appointment must be made with the School's Assistant Dean to address options and review university policy and requirements.

Graduation

Upon completion of the specified requirements, the Doctor of Pharmacy degree will be awarded. Candidates for this degree must:

- Successfully complete all courses contained in the Doctor of Pharmacy curriculum;
- Maintain a cumulative GPA of at least 2.00; and
- Be recommended for the Doctor of Pharmacy degree by the faculty of the School of Pharmacy based upon academic performance, ethical and professional standards.

Financial Aid

The School of Pharmacy has limited scholarship programs at this time. The school will determine the recipients of the awards utilizing the criteria specified by each donor.

Programs Outcomes

Patient-Specific and Population-based Disease Management - The student will be able to provide patient-specific and population-based disease management in cooperation with patients, prescribers, and other members of an interprofessional health care team based upon sound therapeutic principles and evidence-based data, taking into account relevant legal, ethical, social, economic, cultural, political and professional issues, emerging technologies, and evolving pharmaceutical, biomedical, sociobehavioral, and clinical sciences that may impact therapeutic outcomes.

Health Promotion

The student will be able to promote health improvement, wellness, and disease prevention in cooperation with patients, communities, at-risk populations, and other members of an interprofessional team of health care providers. Provide first aid and pharmacy services in disaster and poison control situations.

Systems Management

The student will be able to manage and use resources of the health care system, in cooperation with patients, prescribers, other health care providers, and administrative and supportive personnel, to promote health; to provide, assess, and coordinate safe, accurate, and time-sensitive medication distribution; and to improve therapeutic outcomes of medication use. This includes: managing human, physical, medical, informational, and technological resources; apply patient- and population-specific data, quality assurance strategies, and research processes to assure that medication use systems minimize drug errors, adverse reactions and optimize patient outcomes. This also includes designing medication use systems in accordance with legal, ethical, social, economic, and professional guidelines.

Communication

The student shall read, write, speak, listen and use data, media and computers to communicate effectively with various audiences for a variety of purposes.

Problem Solving

The student shall find, understand and analyze information and shall make informed, rational, and ethical decisions.

Professionalism

The student shall articulate the influence of values on ideas and actions and shall demonstrate the ability and inclination to take responsibility for ethical conduct in personal and professional settings. The student shall demonstrate the ability and inclination to learn on one's own, to pursue new knowledge, to self-assess, to respond appropriately to assessment by others, and to modify one's ideas in light of new discoveries.

Shuhua Bai 2009

B.S. Shenyang Pharmaceutical University
M.S. Shenyang Pharmaceutical University
Ph.D. Shenyang Pharmaceutical University
Robert Baker 2012
B.S. Pharm Ferris State University
Pharm.D. University of Minnesota
Gwen Bartlett 2014
B.S. Oregon State University
Pharm.D. Oregon State University
Sandra Bartlett 2014
B.S. University of Kentucky
Pharm.D. University of Kansas & Pharm.D. Oregon State University
Gregory Cameron 2012
B.S. Pharm Massachusetts College of Pharmacy
Pharm.D. Wingate University School of Pharmacy
Anthony Casapao 2014
B.S. Midwestern University
Pharm.D. Wingate University School of Pharmacy
Conrad Dhing 2009
B.S. Northeast Louisiana University
Ph.D. The University of Louisiana at Monroe
Aaron Domina 2009
B.S. Worcester Polytechnic Institute
Ph.D. Dartmouth College
Alla Fabrikant 2014
Pharm.D. Duquesne University Mylan School of Pharmacy
Derek Hoelz 2012
B.A. Kent State University
Ph.D. University of Maryland
Eric Jarvi 2008
B.S. Southern Illinois University
M.F.S. George Washington University
Ph.D. Oregon State University
Drew Lambert 2013
Pharm.D. University of Buffalo
Rodney Larson 2007
B.S. Pharm Ferris State University
Ph.D. University of Minnesota
William Lindblad 2008
B.S. University of Maine
M.S. Cleveland State University
Ph.D. University of Rhode Island
Sarah Martin 2013
Ph.D. University of South Carolina
Frank McGrady 2012
B.S. University of Rhode Island
Pharm.D. Idaho State University
Dan Moellentin 2011
B.S. University of Missouri
Pharm.D. University of Arkansas
Ying-Tang Ng 2014
Pharm.D. Wingate University School of Pharmacy
Stephanie Nichols 2013
Pharm.D. University of Buffalo
Roger Phipps 2009
B.A. Oxford University
Ph.D. London University
Ronald Reed 2010
B.S. Pharm University of Cincinnati
Pharm.D. University of Cincinnati
David Richards 2015
B.S. University of Bristol
Ph.D. University College London
Dan Robinson 2010
B.S. Pharm. University of Georgia
Pharm.D. University of Cincinnati
John Scolaro 2015
Pharm.D. Bouve College of Health Sciences
James Singletary 2015
B.S. University of Florida
R.Ph. University of Florida
Jennifer Thomas 2015
Pharm.D. Nova Southeastern University
Cassandra White 2013
Ph.D. Albany College of Pharmacy and Health Sciences
Evan Williams 2012
Pharm.D. University Of Arizona
Tianzhi Yang 2009
B.S. Shenyang Pharmaceutical University
M.S. Shenyang Pharmaceutical University
Ph.D. Peking University
Tao Zhang 2014
B.S. Zheijiang University
Ph.D. University of Michigan

**Doctor of Pharmacy**

**Professional Phase Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>RX 302</td>
<td>Introduction to Pharmacology and Toxicology</td>
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<tr>
<td>RX 311</td>
<td>Medical Physiology and Pathophysiology I</td>
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<td>RX 312</td>
<td>Medical Physiology and Pathophysiology II</td>
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<tr>
<td>RX 321</td>
<td>Pharmaceutics I: Drug Characteristics</td>
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<td>RX 322</td>
<td>Pharmaceutics II: Drug Delivery Systems with Lab</td>
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<td>RX 341</td>
<td>Self-Care I</td>
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<tr>
<td>RX 342</td>
<td>Medical Microbiology</td>
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<tr>
<td>RX 350</td>
<td>IPPE I (Basic Community or Hospital Pharmacy)</td>
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<tr>
<td>RX 351</td>
<td>Rural Community Pharmacy Practice with Skills Lab</td>
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<tr>
<td>RX 352</td>
<td>Communications and Ethics</td>
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<td>RX 361</td>
<td>Medical Biochemistry</td>
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<td>RX 362</td>
<td>Practice Skills Lab I</td>
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<td>RX 371</td>
<td>Medical Physiology and Pathophysiology I</td>
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<td>Medical Physiology and Pathophysiology II</td>
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<td>RX 403</td>
<td>Self-Care II</td>
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<td>RX 411</td>
<td>Clinical Research Design and Statistics</td>
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<td>RX 412</td>
<td>Pharmacogenomics and Biotechnology</td>
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<td>RX 421</td>
<td>Pharmacology and Medicinal Chemistry I</td>
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<td>RX 433</td>
<td>Principles of Pharmacokinetics</td>
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<td>RX 434</td>
<td>Rural Health Systems Pharmacy Practice with Skills Lab</td>
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<td>RX 442</td>
<td>Pharmacoeconomics</td>
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<td>RX 450</td>
<td>Introductory Pharmacy Practice Exp – Institutional</td>
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<td>RX 464</td>
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<td>RX 474</td>
<td>Pharmacotherapeutics I</td>
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<td>Pharmacology &amp; Medicinal Chemistry Recitation I</td>
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<td>Integrated Recitation: PMC II and Therapeutics I</td>
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<td>RX 501</td>
<td>Social and Behavioral Pharmacy</td>
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<td>Ambulatory Care and Management I IPPE</td>
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<td>RX 533</td>
<td>Individualized Kinetic Dosing Lab</td>
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<td>Practice Skills Lab III</td>
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<td>RX 542</td>
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<td>RX 550</td>
<td>IPPE Other Non Traditional</td>
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<td>RX 551</td>
<td>Advanced Drug Information</td>
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<td>RX 552</td>
<td>Pharmacy Law</td>
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<td>RX 571</td>
<td>Pharmacy Practice Management</td>
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<td>RX 591</td>
<td>Applied Pharmacotherapeutics I Recitation</td>
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<td>Applied Pharmacotherapeutics II Recitation</td>
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<td>RX 601</td>
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<td>RX 602</td>
<td>Hospital - Health Systems</td>
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<td>RX 603</td>
<td>Ambulatory Care</td>
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**Total Hours**

151

**Suggested Course Sequence**

**First Year**

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**Total Hours**

19

**Second Year**

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**Total Hours**

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18
Third Year

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<td>RX 550 (Winter Course)</td>
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Total Hours: 21.5

Fourth Year

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Total Hours: 18

Courses

RX 301. Complementary/Alternative Medicine. 2 Hours.
This course will introduce students to OTC drugs, herbas, nutraceuticals, and non-drug alternatives available to patients. Evidence for benefit versus harm will be highlighted.

RX 302. Introduction to Pharmacology and Toxicology. 2 Hours.
This course will provide an introduction to the principles of pharmacology & toxicology. Course content will include basic foundational precepts of the discipline and focus on the mechanistic underpinnings of different classes of therapeutic agents. Basic toxicological principles will be covered and application to clinical therapeutics will be included. Prerequisite(s): RX 311 and RX 321 and RX 361.

RX 311. Medical Physiology and Pathophysiology I. 4 Hours.
This course provides an in-depth examination of human physiological processes and pathologic disorders by organ system. General principles of pathology, immunology, genetics, and neoplasia are introduced, along with the nervous system: peripheral, CNS, pain transmission and management; neurological and psychiatric disorders; and renal physiology and disease. Will include clinical symptom presentation and cellular basis of disease.

RX 312. Medical Physiology and Pathophysiology II. 4 Hours.
A continuation of the fall course in which the additional following organ systems will be examined: cardiovascular, endocrinology, hematology/oncology, pulmonary, GI/hepatic, reproductive, musculoskeletal, dermatology, and otology. Prerequisite(s): RX 311.

RX 321. Pharmaceutics I: Drug Characteristics. 3 Hours.
This course will cover the general chemical and biological principles upon which the interactions between drugs and living systems are based. Pharmaceutical calculations will also be included.

RX 322. Pharmaceutics II: Drug Delivery Systems with Lab. 4 Hours.
This course integrates mathematical concepts relating to pharmaceutical dosage forms with prescription compounding techniques. Physical and chemical properties of prescription additives are considered as they affect accuracy, potency, and stability of common dosage forms. Laboratory portion involves basic compounding skills. Prerequisite(s): RX 321.

RX 331. Cognitive Skills, Comm, Case-based Critical Thinking I. 3 Hours.
Introduction to practice of pharmacy, drug info, clinical lab tests; introduction to problem solving/ critical thinking; basic pharmacy law. Top 100 drug review.

RX 332. Cognitive Skills, Comm, Case-based Critical Thinking II. 3 Hours.
An emphasis on problem solving and critical thinking focused on drug-related problems and major disease states. Topics will be integrated throughout the semester using a case-studies approach. Prerequisite(s): RX 331.

RX 341. Self-Care I. 2 Hours.
This course will acquaint the student with the history of the pharmacy profession and the therapeutic utility of a variety of herbal medicines and alternative treatment regimens as well as provide an introduction to selected over-the-counter medications.

RX 342. Medical Microbiology. 3 Hours.
Fundamentals of the microbial world with emphasis on the medical aspects of microbiology, molecular basis of pathogenicity, and chemotherapy. Expansion of basic immunological principles presented in RX 311 to include altered immune states, transplantation immunology, and network regulation of the immune response. Prerequisite(s): RX 361.

RX 350. IPPE I (Basic Community or Hospital Pharmacy). 3 Hours.
An introductory pharmacy practice experience that involves actual practice experiences in a community practice setting and permits the student, under appropriate supervision and as permitted by practice regulations, to develop a understanding of the basic tenets of community practice setting.

RX 351. Rural Community Pharmacy Practice with Skills Lab. 3 Hours.
This course is designed to provide students with the foundation necessary to understand the needs and resources required in providing rural pharmacy healthcare access and to be able to practice pharmacy effectively in the rural community setting. A combination of didactic lectures and laboratory experiences will prepare students for their first Introductory Pharmacy Practice Experience (IPPE), while emphasizing the unique aspects of rural healthcare delivery.

RX 352. Communications and Ethics. 2 Hours.
An understanding of the foundations of clinical communication, including direct and indirect clinical communication techniques to increase the participation of patients in achieving positive clinical outcomes and maximizing their health-related quality of life. Common ethical issues will be discussed.

RX 361. Medical Biochemistry. 3 Hours.
General overview of major metabolic pathways, electrolyte balances and enzymatic systems important for drug pharmacodynamics.

RX 362. Practice Skills Lab I. 1 Hour.
The course is designed to provide students with an in-depth introduction to all aspects of skillful delivery of community pharmacy services. Prerequisite(s): RX 351.
RX 371. Medical Physiology and Pathophysiology I Recitation. 1 Hour.
This recitation will support the lecture material provided in RX 311 with special emphasis on clinical laboratory tests.

RX 372. Medical Physiology and Pathophysiology II Recitation. 2 Hours.
This recitation will support and reinforce the lecture material provided in RX 312.

RX 401. Pharmacy Management. 3 Hours.
This course is designed to provide the student with a broad base of information and skills for pharmacy management in various professional practice settings. Management principles covered include planning, organizing, directing budgeting, and operating a pharmacy and to use the economic analyses to manage limited pharmacy resources. The course prepares the pharmacy student to understand and work at various levels of management.

RX 403. Self-Care II. 2 Hours.
This course is a continuation of Self Care I and will acquaint the student with additional over-the-counter medications and point-of-care testing devices.

RX 411. Clinical Research Design and Statistics. 3 Hours.
The intent of this course is to familiarize students with appropriate clinical experimental design and statistical methods of analysis. Continued emphasis on drug information will be provided, which will enhance student’s ability to critically evaluate the literature. An overview of medial epidemiology will round out the course.

RX 412. Pharmacogenomics and Biotechnology. 3 Hours.
This course will present information covering the breadth of biotechnology including transcriptional regulation, cloning, recombinant protein synthesis, gene therapy and stem cell biology. Additionally, specific applications of genetics and genomics to drug metabolism and distribution will be provided stressing the significance of genetic variation in determining the handling of xenobiotics by the body. Prerequisite(s): RX 311 and RX 312 and RX 342 and RX 361.

RX 421. Pharmacology and Medicinal Chemistry I. 4 Hours.
This course will provide an in-depth survey of pharmacology with particular coverage of drugs affecting the peripheral and central nervous systems; treatment of inflammatory states; agents that influence water and ion conservation; and the cardiovascular system. Selected topics of importance for understanding the structure-activity relationship of agents in each class will be discussed.

RX 422. Pharmacology and Medicinal Chemistry II. 4 Hours.
This course is a continuation of RX 421 with coverage of drugs in the following areas: antimicrobial & antiparasitic agents; antivirals; chemotherapeutic agents used against neoplasm; immunomodulators; anemia and blood dyscrasias; hormone therapy; dermatologic preparations; ophthalmic drugs; and an introduction to toxicology.

RX 431. Cognitive, Community, & Case-based Crit. Thinking III. 3 Hours.
Problem solving sections will continue with case-based review of problems and patient-centered care approaches that coincide with topics in the Drug Action.

RX 432. Cognitive, Communication, & Case-based Crit. Thinking IV. 3 Hours.
Continuation of problem solving sections case-based review of problems and patient-centered care approaches that coincide with topics in the Drug Action.

RX 433. Principles of Pharmacokinetics. 3 Hours.
This course will provide conceptual and quantitative description of pharmacokinetic (PK) theory and its clinical application by combining physiology, pharmaceutics, mathematics and clinical assessment. The time course of drug absorption, distribution, metabolism, and excretion and physiological factors that influence each process are described to explain the fate of the drug administered. Application to clinical situation to design and optimize dosage regimen is also discussed.

RX 434. Rural Health Systems Pharmacy Practice with Skills Lab. 3 Hours.
This course is designed to provide students with the foundation necessary to understand the needs and resources required in providing rural pharmacy healthcare access and to be able to practice pharmacy effectively in the rural institutional setting. A combination of didactic lectures and laboratory experiences will prepare students for their second Introductory Pharmacy Practice Experience (IPPE), while emphasizing the unique aspects of rural healthcare delivery.

RX 441. Natural Products Debate. 2 Hours.
Using a debate format, this course is designed to provide students with a more in-depth understanding of the mechanism of action, efficacy, safety and scientific evidence available for the top selling natural products in use today.

RX 442. Pharmacoeconomics. 3 Hours.
This course is designed to introduce the pharmacy student to economic theories relevant in the health care arena and the application of pharmacoeconomic methodologies in evaluating drug therapy management. Pharmacoeconomic topics to be covered include cost-minimization analysis (CMA), cost-benefit analysis (CBA), cost-effect analysis (CEA), and cost-utility analysis (CUA). Additional topics in epidemiology will be included. At the end of this course, students will comprehend the economic factors driving the decision making process found in the health care industry and evaluate the pharmacoeconomic literature for the purpose of decision making.

RX 450. Introductory Pharmacy Practice Exp – Institutional. 3 Hours.
The goal of this rotation is to expose students to the everyday practice of pharmacy in the institutional setting. Students will be introduced to all aspects of professional interactions with patients and coworkers, medication distribution and/or dispensing, and pharmacy management. It is to be understood that students have achieved and can demonstrate competency in the categories mentioned in IPPE-Community and that this institutional rotation is to build on these competencies and advance student’s learning to the next level.

RX 451. Bone and Joint Disorders. 2 Hours.
This course will provide a more detailed description of normal bone and joint structure, function and metabolism, pathophysiology of major disorders including various forms of osteoporosis, Paget’s disease, osteomalacia, rheumatoid and osteoarthritis, osteogenesis imperfect, bone cancer, diagnosis and available treatments for these disorders. Prerequisite(s): RX 311 and RX 312.

RX 452. The Drug Dev Proc from Inception to Approval & Market. 2 Hours.
This course will provide a detailed description of drug discovery and development through regulatory approval and marketing in the Pharmaceutical industry. It will cover the impact of generic drugs and of managed healthcare organizations. The course will include real-life examples from the instructors 20 years experience in the industry. Prerequisite(s): RX 321.
RX 461. Pharmaceutical Analysis. 2 Hours.
This course will cover an introduction and survey of instrumental methods and detailed study of the analytical techniques with particular reference to pharmaceutical applications. It includes chromatographic analysis of pharmaceutical agents, metabolites, and clinical samples, methods for identification of pharmaceutical agents and metabolites, and spectral techniques used in quantitative analysis of clinical samples. Prerequisite(s): RX 361 and RX 321 and RX 322.

RX 462. Drug Abuse and Society. 2 Hours.
This course is designed to provide an overview about drug abuse in our society and the physiological and psychological properties believed to be inherent to abused drugs. We will compare and contrast the incidence, risks and harm associated with major drugs of abuse. Student presentations will be an important component of this course.

RX 464. Practice Skills Lab II. 1 Hour.
This course is designed to provide students with a survey of competent and efficient delivery of patient centered pharmacy services. Emphasis is placed on patient safety in the context of therapeutic solution finding incorporating information management, therapeutic planning, monitoring and outcomes, and professional communication skills.

RX 471. Advances in Drug Delivery Systems. 2 Hours.
This course will cover advanced delivery systems used in the clinical market and research field to improve therapeutic efficacy of agents. Prerequisite(s): RX 321 and RX 322.

RX 472. Pharmaceutical Marketing and Promotion. 2 Hours.
The course is designed to provide a comprehensive and thorough overview of marketing and advertising of FDA approved drugs in the US. Emphasis will be placed on the environment of pharmaceutical marketing, marketing research, pharmaceutical advertising, product branding, and pharmaceutical detailing. Prerequisite(s): RX 401.

RX 474. Pharmacotherapeutics I. 3 Hours.
This course provides an introduction to the concepts involved in ensuring the safe, appropriate, and economical use of drugs in patient care. Successful completion of the entire Pharmacotherapeutic course series is a prerequisite to advance clinical practice experiences (APPE). This course emphasizes a basic foundation in medication therapy management through an overview of the general principles of case-based problem-solving and a systematic approach to rational drug selection. Topics in clinical pharmacokinetics, special populations, and evidence-based medicine are also discussed. In addition, student explore the application of these principles to several common disease states.

RX 481. Contemporary Issues in Women's Health. 2 Hours.
This course is intended to increase understanding of how being a woman impacts health risks and outcomes from physiological, psychological and societal perspectives.

RX 482. HIV/AIDS. 2 Hours.
HIV/AIDS is a modern day pandemic that has killed millions worldwide and has infected even more. This course will investigate various aspects of this scourge, including, how HIV infects and manipulates a cell to produce new virus, how HIV leads to AIDS, available treatments, current research, epidemiology of the disease, its impact on various societies, and its history. Prerequisite(s): RX 342.

RX 490. Special Topics in Research. 2 Hours.
This is an elective offering for students to gain experience conducting research by working closely with a School of Pharmacy faculty member. Students will learn the scientific method and be involved in a specific project overseen by the faculty member. This is a lab-type course. Students need to talk with faculty members about their research interests and be approved to sign up for the appropriate section.

RX 491. Pharmacology & Medicinal Chemistry Recitation I. 2 Hours.
This is the third section of a six-semester sequence designed to enhance students' team-based critical thinking and problem solving abilities while reinforcing content presented in third semester didactic courses. Prerequisite(s): RX 372.

RX 492. Integrated Recitation: PMC II and Therapeutics I. 2 Hours.
This is the fourth section of a six-semester sequence designed to enhance students' team-based critical thinking and problem solving abilities while reinforcing content presented in third semester didactic courses.

RX 499. Topic/. 1-6 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in Pharmacy under the guidance of Pharmacy faculty.

RX 501. Social and Behavioral Pharmacy. 2 Hours.
This course will provide an understanding of the foundations of social & behavioral pharmacy, including topics in health promotion, disease prevention and pharmacoepidemiology that will allow pharmacists to help patients achieve positive outcomes and maximizing their health-related quality of life.

RX 511. Ambulatory Care and Management I IPPE. 1.5 Hour.
This third year Introductory Pharmacy Experiential Education course introduces students to the role of the pharmacist in ambulatory care rural settings and the management roles in which pharmacists participate during practice without regard to the practice setting. The student acquires the confidence, knowledge, skill, and professionalism required for pharmacists to function competently. The student will gain experience in communicating with patients, other healthcare provides, and employees involved in pharmacy practice. The students will be able to apply their didactic and basic pharmaceutical sciences learned in the classroom and support their readiness for APPE coursework.

RX 521. Pharmacotherapeutics II. 4 Hours.
This course introduces students to the basic knowledge and skills required to practice. Successful completion of these courses (DA 5 and 6) is prerequisites to advance clinical practice experiences (APPE). The emphasis of these courses is on the medical management of most common disease states that student may encounter during the clinical rotation. The course augments the ability of students to develop evidence-based treatment guidelines and clinical recommendations, pharmacokinetics and therapeutic medication monitoring and management following a similar organ-based sequence as for the pathophysiology and the P2 year of the Drug Action sequence. Of particular focus is pharmacotherapy for the peripheral and central nervous systems, inflammatory disease states, endocrine disorders, kidney disease and correction of electrolyte and nutrient imbalances.
RX 522. Drug Action VI. 4 Hours.
This course will introduce the students to the basic knowledge and skills required to practice in the real world. Successful completion of these courses (DA 5 and 6) is prerequisites to advance clinical practice experiences (APPE). The emphasis of these courses will be placed on the medical management of most common disease states that student may encounter during the clinical rotation. The course will augment students’ ability to develop evidence- based treatment guidelines and clinical recommendations, pharmacokinetics and therapeutic medication monitoring and management following a similar organ-based sequence as for the pathophysiology and the P2 year of the Drug Action sequence. Of particular focus will be pharmacotherapy for the peripheral and central nervous systems, inflammatory disease states, endocrine disorders, kidney disease and correction of electrolyte and nutrient imbalances.

RX 531. Cognitive, Communication, and Case-based Critical Thinking V. 3 Hours.
Designed to provide students with a survey of competent and efficient delivery of patient centered pharmacy services. Emphasis will be placed on therapeutic solution finding incorporating information management; therapeutic planning, monitoring and outcomes; and professional communication skills.

RX 532. Cognitive, Communication, and Case-based Critical Thinking V. 3 Hours.
Continuation of RX 531. Designed to provide students with a survey of competent and efficient delivery of patient centered pharmacy services. Emphasis will be placed on therapeutic solution finding incorporating information management; therapeutic planning, monitoring and outcomes; and professional communication skills.

RX 533. Individualized Kinetic Dosing Lab. 1 Hour.
This course provides students with a survey of competent and efficient delivery of patient centered pharmacy services using applied pharmacokinetics. Emphasis will be on Individualized Dosage Regimen design/revision; incorporating clinical pharmacokinetic information management, therapeutic planning, patient response monitoring, outcomes assessment; and professional communication skills.

RX 541. Vaccinations. 2 Hours.
This course is designed to prepare students for certification in administration of drugs and immunizations upon graduation and licensure as a pharmacist. Using CDC and ASHP guidelines, the course will focus on immunological, administrative, and clinical considerations for pharmacists administering vaccines. Prerequisite(s): RX 432 and RX 422.

RX 542. Pharmacy Capstone. 4 Hours.
This course will develop communication skills by preparation and presentation of a professional seminar. Students will research the clinical literature on a pharmacy related topic of interest and learn techniques for the most effective means of communicating this to a professional audiences.

RX 550. IPPE Other Non Traditional. 3 Hours.
The goal of IPPE non-traditional rotation is to offer P3 students the opportunity to explore a more specialized area of pharmacy practice or to spend more time in a community/institutional setting to gain more confidence in that particular area of practice prior to going on advanced rotations. In a specialized setting the rotation should serve as an introduction to the specialty. For example, if a student is interested in Oncology but is uncertain of what the practice setting entails, this rotation will introduce the student to oncology pharmacy practice and how it is similar and/or different from practice in a general practice pharmacy.

RX 551. Advanced Drug Information. 3 Hours.
This course develops the skills for our student-pharmacists to search, find, and evaluate scientific literature to provide written pharmacotherapy summaries and evidence-based, clinically-focused answers to healthcare professionals’ question(s), targeting an overall goal of optimizing patient care.

RX 552. Pharmacy Law. 3 Hours.
This course is intended to provide an overview of federal and state laws that regulate the practice of pharmacy. This course will cover legal and ethical issues that can occur as pharmacists practice patient-centered care and medication management.

RX 561. Sports and Exercise Medicine for Pharmacists. 2 Hours.
Covers the role the pharmacist can have in helping with minor injuries, sports related illnesses, and the education of the adverse affects of “doping”.

RX 562. Clinical Toxicology. 2 Hours.
This course covers the study of the clinical toxicology of therapeutic agents, some natural products and some venoms. Mechanisms of toxicity, causes, detection and treatment will be discussed where relevant.

RX 563. Drug Development Process from Inception to Approval and Mark. 2 Hours.
The goal of this course is to provide a detailed understanding of drug discovery and development through regulatory approval and marketing in the Pharmaceutical industry. It will cover the impact of generic drugs and of managed healthcare organizations.

RX 564. Drug-Drug Interactions. 1 Hour.
This course expands upon drug interactions and delves into the underlying mechanisms. Additionally, clinically relevant drug interactions for different classes of medications will be reviewed to prepare students to identify and prevent harmful drug-drug interactions in a variety of practice settings. Students will be expected to use previously gained knowledge to research drug-drug interactions. Prerequisite(s): RX 521.

RX 565. Geriatric Pharmacotherapy. 2 Hours.
This elective is designed for students to learn key geriatric pharmacotherapy principles and gain insight into the complex needs of older adults through didactic instruction, case-based problem solving, and self-assessment questions. The course will prepare the student to provide pharmaceutical care to elderly patients by learning general principles of aging, geriatric assessment skills, and pharmacotherapy of selected disease states and syndromes common to the senior population.

RX 566. Drug-Induced Psychiatric Diseases. 1 Hour.
This course involves the study of neuropsychiatric diseases that are caused or induced by medication use. Students will learn to think about the possibility of medication contribution to CNS disorders; how to identify and categorize these drug-induced diseases; and how to prevent them and/or manage them when they occur.

RX 567. Ambulatory Care Pharmacotherapy. 2 Hours.
This elective course is designed to expose students to advanced issues surrounding the appropriate use of medications in ambulatory patients. A systematic approach to the identification and resolution of drug therapy problems will be developed through the use of various methodologies, including work-ups of patient cases, journal club exercises, and debates of clinical controversies. Students will be expected to justify their decisions based on an evaluation of the current literature.
Students will gain understanding of CAMS therapy by direct experience and reflection which will be complemented with more in-depth knowledge of the benefits and limitations of selected methods from recent research.

RX 569. Infectious Diseases. 2 Hours.
This advanced elective course utilizes active learning strategies to address the therapeutic use of anti-infective agents in the treatment of selected infectious diseases. Pharmacology, pharmacokinetics, pharmacodynamics, and clinical microbiology topics will be integrated and reinforced throughout the student’s experience. Problem based learning strategy will provide students the opportunity to apply therapeutic principles and evaluate the management of specific infectious diseases.

RX 571. Pharmacy Practice Management. 3 Hours.
This course provides the student with a broad base of information and skills to practice in pharmacy management in various professional settings. Management principles covered include planning, organizing, directing budgeting, and operating a pharmacy and to use the economic analyses to manage limited pharmacy resources. The course prepares the pharmacy student to understand and work at various levels of management.

RX 572. Clinical Chemistry. 2 Hours.
The influence of disease states on the results of laboratory diagnostic procedures and the effects of drug therapy on diagnostic procedures.

RX 582. Critical Care. 2 Hours.
Designed to emphasize the efficacy, safety, and comparative value of drug therapy in the pharmacotherapeutic management of critically ill patients. Knowledge of physiology, pharmacology, and drug therapy management is applied to disease states and conditions specific to this population. Didactic instruction is augmented by active learning through case studies and discussion of contemporary issues in critical care.

RX 583. Essential Medical Literature for Primary Care. 2 Hours.
This advanced elective course covers the essential and practice changing studies that clinical practitioners should be familiar with in relation to primary care. The course covers basic points of medical literature evaluation as well as how to apply medical literature to practice.

RX 584. Infectious Diseases. 2 Hours.
This advanced elective course utilizes active learning strategies to address the therapeutic use of anti-infective agents in the treatment of selected infectious diseases. Pharmacology, pharmacokinetics, pharmacodynamics, and clinical microbiology topics will be integrated and reinforced throughout the student’s experience. Problem based learning strategy will provide students the opportunity to apply therapeutic principles and evaluate the management of specific infectious diseases.

RX 591. Applied Pharmacotherapeutics I Recitation. 2 Hours.
This course helps students develop practice skills in concert with improvement in critical thinking and problem solving abilities. Course outcomes foster effective and compassionate delivery of patient-centered care.

RX 599. Topic/. 1 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in Pharmacy under the guidance of Pharmacy faculty.

RX 601. Inpatient - Acute Care. 6 Hours.
In this course students will participate in a 6 week, 40 hours per week, full-time experience, under the direction of a preceptor, in pharmacy practice to provide effective and appropriate patient-centered pharmaceutical care to patients in an inpatient/acute care setting.

RX 602. Hospital - Health Systems. 6 Hours.
In this course, students will gain the knowledge to deliver effective and appropriate patient care to hospital patients. The student will become a member of an interdisciplinary team in order to provide superior patient-centered care.

RX 603. Ambulatory Care. 6 Hours.
In this course, students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in an ambulatory pharmacy practice to provide effective and appropriate patient-centered pharmaceutical care in the ambulatory setting.

RX 604. Community Pharmacy. 6 Hours.
In this course, students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in a community pharmacy to provide effective and appropriate patient-centered pharmaceutical care in the community setting.

RX 605. Rehabilitation Care Medicine. 6 Hours.
In this course, students will gain the knowledge to deliver effective and appropriate patient care to acute rehabilitation care patients. The student will become a member of an interdisciplinary team in order to provide superior patient-centered care.

RX 606. Emergency Care. 6 Hours.
In this course, students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in emergency medicine pharmacy practice to provide effective and appropriate patient centered pharmaceutical care in the emergent care setting.

RX 607. Geriatric Care. 6 Hours.
In this course students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in pharmacy practice to provide effective and appropriate geriatric patient centered pharmaceutical care.

RX 608. Pain Management. 6 Hours.
In this course, students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in pain management pharmacy practice to provide effective and appropriate patient centered pharmaceutical care in the pain management care setting.

RX 609. Oncology. 6 Hours.
In this course, students will gain the knowledge to deliver effective and appropriate patient care to patients with oncology disorders. Specifically, students will obtain practical experience to evaluate, implement, and monitor chemotherapeutic and non-chemotherapeutic drug therapy, to optimize the delivery of pharmaceutical care and improve the therapeutic outcomes in patients. The student will become a member of an interdisciplinary team in order to provide patient-centered care.

RX 610. Pediatric Care. 6 Hours.
In this course students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in pharmacy practice to provide effective and appropriate pediatric patient centered pharmaceutical care in the pediatric setting.
RX 611. Infectious Disease. 6 Hours.
In this course, students will gain the knowledge to deliver effective and appropriate patient care to infectious disease (ID) patients. The student will become a member of an ID team in order to provide patient-centered care.

RX 612. Psychiatric Care. 6 Hours.
In this course, students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in psychiatric pharmacy practice to provide effective and appropriate psychiatric patient centered pharmaceutical care in the psychiatric setting.

RX 613. Indian Health Service. 6 Hours.
In this course, students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in an ambulatory pharmacy practice to provide effective and appropriate patient centered pharmaceutical care in the US Public Health Care Indian Health setting.

RX 614. Pharmacy Academia. 6 Hours.
In this course, students will be incorporated into the pharmacy faculty within a college of pharmacy. Students will be exposed to didactic lecturing, laboratory facilitation, research (as available), and general management within academia.

RX 615. Association Administration. 6 Hours.
In this course, students will become an integral member within a professional pharmacy organization environment. The student will work with preceptors to address membership as well as organizational and business structure and services.

RX 616. Food and Drug Administration. 6 Hours.
In this course, students will become an integral member within a professional pharmacy organization environment. The student will work with preceptors to address membership as well as organizational and business structure and services.

RX 617. Pharmacy Research. 6 Hours.
In this course, students will participate in original research (discovery, translational, clinical) as directed by their preceptor. The research activities performed by each student will vary by area of scholarship but may include research design & planning, data collection & analysis, and presentation.

RX 618. Drug Therapy Management. 6 Hours.
This course offers student pharmacists full time opportunities to apply the knowledge and synthesize the didactic information and skills required for direct patient care in pharmacy practice both in the community and health system environments. This direct patient care course offers students to function as an integral member of a healthcare team and to actively be involved in the care of patients. Students are expected to demonstrate professional communication, maturity and judgment skills with exceptional work habits. The overall goal of this course is for students to understand and obtain practical experience to evaluate, implement, and monitor drug therapy, to optimize the delivery of pharmaceutical care and improve the therapeutic outcomes in patients with a variety of disease states. Successful completion of this experience will provide students the opportunity to develop confidence to provide effective and appropriate patient centered pharmaceutical care in the pharmacy practice environment.

RX 619. Administration. 6 Hours.
In this course, students will become an integral member within a professional pharmacy organization corporate environment. The student will work with the preceptor to address administrative management as well as organizational and business structure and services.

RX 620. Nuclear Pharmacy. 6 Hours.
In this course, students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in a centralized nuclear pharmacy to providing effective and appropriate radiopharmaceutical compounding and dispensing. In addition to learning the concepts and sciences of nuclear pharmacy and associated regulations and guidelines for the practice, students will participate in preparation, storing and dispensing of radiopharmaceuticals for use in nuclear medicine departments, as well as receive and ship radioactive packages.

RX 621. Cardiology Care. 6 Hours.
In this course students will participate in a 6 week, 40 hours per week, full-time experience, under the direction of a preceptor, in pharmacy practice to provide effective and appropriate patient centered pharmaceutical care to cardiology patients in acute care settings.

RX 622. ICU Critical Care. 6 Hours.
In this course students will participate in a 6 week, 40 hours per week, full-time experience, under the direction of a preceptor in pharmacy practice to provide effective and appropriate patient centered pharmaceutical care to critically ill patients in intensive care unit settings.

RX 623. OTC Self-Care Community Pharmacy. 6 Hours.
In this course, students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in a community pharmacy to provide effective and appropriate patient-centered pharmaceutical care in the community setting.

RX 624. AACP Professional Pharmacy Organization. 6 Hours.
In this course, students will become an integral member within a professional pharmacy organization environment. The student will work with preceptors to address membership as well as organizational and business structure and services.

RX 625. Collaborative Transitional Ambulatory Care. 6 Hours.
This direct patient care course allows students to function as an integral member of the community outreach healthcare team and to be actively involved in the care of patients. Students are expected to demonstrate advanced critical thinking, professional communication, maturity, and judgment skills with exceptional work habits. The overall goal of this course is for students understand and obtain practical experience to evaluate, implement, and monitor drug therapy, to optimize the delivery of pharmaceutical care and improve the therapeutic outcomes in patients with a variety of disease states.

RX 626. Drug Information and Medical Writing. 6 Hours.
In this course, students will participate in a 6-week, full-time (40 hours/week) experience, under the direction of a Pharmacy Practice preceptor, to learn essential drug information (DI) and medical writing skills that will enhance the students’ impact in a variety of pharmacy practice settings. The DI component will focus on core DI skills including gathering appropriate background information, conducting systematic literature searches, integrating scientific/medical evidence and preparing and communicating DI responses. The medical writing component will focus on project management, document organization, table development, proper citation, and preparation of written documents of various types.
RX 627. Pharmacy Informatics. 6 Hours.
This APPE course offers student pharmacists full time opportunities to apply the knowledge and synthesize the didactic information and skills required for non-direct patient care within the clinical pharmacy care environment. This non-direct patient care APPE offers students the ability to function as an integral member of pharmacy care teams involved with publishing, writing, and evaluating medical information. The course focuses on fundamentals of pharmacy informatics such as pharmacy automation technology and information systems in a hospital setting. This APPE is beneficial to students who are interested in hospital pharmacy practice or those interested in specializing in pharmacy informatics.

RX 628. Advanced Ambulatory Care. 6 Hours.
Using an educator-practitioner model, the student will directly involve him/herself in the development of drug treatment regimens for selected patients. The experience will include literature evaluation, development of drug monographs, patient interviews, data interpretation, assessing drug therapy, making recommendations for monitoring drug therapy, and utilizing evidence-based principles of pharmacotherapy to develop an optimal therapeutic plan for patients with disease states that are commonly treated in an outpatient setting.

RX 629. Specialty Care Pharmacy. 6 Hours.
The Specialty Care Pharmacy APPE course offers student pharmacists the opportunity to apply the knowledge and synthesize the didactic information and skills required for direct patient care in the specialty care and the pharmacy practice environment. This direct patient care APPE offers students the experience to function as an integral member of the healthcare team and to be actively involved in the care of patients. Students will participate in a practice that provides an integrated model caring for patients with complex disease states and chronic conditions that require advanced drug therapies, injectable medications and more complicated treatment regimens. This may include, but is not limited to individualized dosing care, pharmaceutics and compounding medication preparations. Students are expected to demonstrate professional communication, maturity and judgment skills with exceptional work habits. The overall goal of this APPE course is for students to understand and obtain practical experience, to evaluate, implement, and monitor drug therapy, to optimize the delivery of pharmaceutical care, and to improve the therapeutic outcomes in patients with a variety of disease states. Successful completion of this experience will give students the opportunity to develop confidence to provide effective and appropriate patient-centered pharmaceutical care in the pharmacy practice environment.

RX 630. Compounding Pharmacy. 6 Hours.
The Compounding Pharmacy APPE course offers student pharmacists the opportunity to apply the knowledge and synthesize the didactic information and skills required for direct patient care in the compounding pharmacy practice environment. This direct patient care APPE offers students the experience to function as an integral member of the healthcare team and to be actively involved in the care of patients. As the pharmacy care provider students will demonstrate competency and understanding of pharmaceutics, pharmaceutical calculations, and medication evaluations to ensure appropriate preparation, administration, stability and compliance with compounding standards and regulations. Students are expected to demonstrate professional communication, maturity and judgment skills with exceptional work habits. The overall goal of this APPE course is for students to understand and obtain practical experience, to evaluate, implement, and monitor drug therapy, to optimize the delivery of pharmaceutical care, and to improve the therapeutic outcomes in patients with a variety of disease states. Successful completion of this experience will give students the opportunity to develop confidence to provide effective and appropriate patient-centered pharmaceutical care in the pharmacy practice environment.

RX 631. Long Term Geriatric Care. 6 Hours.
This APPE course will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in pharmacy practice to provide effective and appropriate closed pharmacy system services for non-patient centered pharmaceutical care in the long term care and/or assisted living setting.

RX 632. Substance Abuse Prevention. 6 Hours.
In this APPE course, students will participate in a 6 week 40 hours a week, full-time off-campus experience, under the direction of a preceptor in substance abuse prevention, to provide educational material in the community setting.

RX 633. Poison Control Prevention. 6 Hours.
In this APPE course, students participate in a 6-week, full-time (40 hours/week) experience, to develop an understanding of history, role and functions of poison control centers. Students learn the mechanisms-of-action, toxicokinetics and treatment of common poisonings and toxic exposures related to household products, insecticides and pesticides, industrial toxicants, hazardous material spills, drugs of abuse, drugs used in suicide and homicide, and drugs involved in clinically-significant adverse events, interactions and therapeutic errors. Students consider age- and disease-associated patient factors in evaluating the potential for drug and chemical toxicity. Students also conduct literature research on complex questions; prepare topic reviews; compile ready-reference materials for contact center staff; and participate in case reviews, teaching rounds, journal clubs and interprofessional small group discussions.

RX 699. Topic/. 1 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in Pharmacy under the guidance of Pharmacy faculty.

Pharm.D./Master of Business Administration
Candidates for the Doctorate of Pharmacy/Master of Business Administration Degrees are required to complete a minimum of 178 credits (148 Pharmacy, 30 MBA). Students will complete all pharmacy requirements as stated in the PharmD curriculum and will complete 30 credits in the MBA curriculum. In order to begin enrolling in MBA
courses, students must achieve a minimum 2.5 GPA after their first professional year in the pharmacy program. Students wishing to enroll in MBA courses must submit an MBA application and one letter of recommendation from a pharmacy faculty member to Graduate Admissions in the semester prior to beginning business courses. To graduate with the PharmD and MBA degrees, students must achieve a minimum cumulative GPA of 2.0 in pharmacy courses and 3.0 in MBA courses.

**MBA COURSES**

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<th>Course</th>
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<td>BA 620</td>
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<td>Financial Management in Healthcare Organizations</td>
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<td>BA 621</td>
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<td>or BA 712</td>
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<td>BA 625</td>
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**Master of Science in Pharmacology**

The Masters of Science program in Pharmacology being offered by the Department of Basic Pharmaceutical Sciences provides students with laboratory bench skills and in-depth knowledge of the biomedical discipline of Pharmacology and Toxicology. The program admits students who have obtained a baccalaureate degree in chemistry, biology or some other science-based undergraduate degree and are interested in careers in the pharmaceutical industry, biomedical research or furthering their education to obtain an advanced degree, such as the Ph.D. The program is also intended to admit Doctor of Pharmacy students who can obtain this degree concurrent with the Pharm.D. degree. Those students interested in careers in the pharmaceutical industry or in clinical pharmacy departments in which clinical research is conducted would benefit from this companion degree. Although the two degree programs can be taken concurrently, it may require one or two more semesters of research beyond the receipt of the Pharm.D. degree to complete the M.S. degree.

The Masters of Science program in Pharmacology requires the completion of 33 credits of didactic and research studies along with the successful writing and defense of a research-based thesis. It is anticipated that this research would also be published in peer-reviewed publications.

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THE COLLEGE OF SCIENCE & HUMANITIES

Biology

Features of the Program

The Biology Program offers courses with a variety of levels of biological organization including: molecular, cellular, organismal and population. Laboratory courses are provided in modern, well-equipped multidisciplinary teaching laboratories. Field studies involving plants, animals, and marine communities are also included. The BS in Biology degree provides students with a broad background in the biological sciences in order to prepare them for jobs in a variety of specialized fields such as research, health care, environmental management and conservation, and education. The Regular track of the Biology Program prepares students for entry-level positions in biology such as lab technician, research assistant, animal technician, wildlife biologist and environmental educator.

Requirements for Biology Majors

Students must earn an overall 2.0 cumulative grade-point average and a “C” or better in every Biology course. Transfer students must complete a minimum of thirty (30) credit hours at Husson University. At least fifteen (15) credits must be earned in Husson Biology courses.

Courses

SC 101. Introduction to Nutrition. 3 Hours.
This course serves as an introduction to nutritional concepts and to the interconnections of health, nutrition, weight, and physical activity. This course is particularly appropriate for students with no science background.

SC 104. Organismal Biology. 3 Hours.
Organismal Biology is an introductory biology course with an integrated lab, intended primarily for non-science majors. This course enables the student to become aware of their role in the complex biological system in which they live. Students will learn about plant biology, animal biology and microbiology in the context of how these organisms have shaped our current state of biodiversity. Since all organisms grow, develop and subsist within an environment, topics will include how organisms survive in, and interact with other organisms within their ecological community.

SC 105. Headline Science. 3 Hours.
This course explores various contemporary issues in science using an integrative and societal approach. Students will study the topics from a biological, chemical, physical, and environmental perspective, and relate the significance of the scientific matter to their major field of study. This course is intended for non-science majors.

SC 120. Functional Anatomy and Physiology. 3 Hours.
Functional Anatomy and Physiology is a one semester, 3 credit lecture with a separate laboratory course designed to give the non-science major knowledge of the human body and its relationship with the environment. Topics covered include: the chemical basis of life, the anatomy & physiology of all organ systems, growth, development, heredity and biotechnology issues.

SC 131. Human Genetics. 3 Hours.
This course is designed for nonscience majors to support the natural interest of most people in those human physical, behavioral, and social characteristics that have a hereditary basis. Lectures, discussions and the solving of simple genetic and statistical problems are used to form a basis for the consideration of current social issues with genetic implications.

SC 134. Introduction to Geology. 3 Hours.
The course, specifically designed for the Environmental Science majors, introduces fundamentals of geology in the environmental context. The issues of local and global environmental changes are placed into a broader perspective of the functioning of the Earth system. Students are introduced into the science of Earth’s materials: rocks, minerals, soils, and waters and the processes forming them. The internal processes (plate tectonics, earthquakes, volcanoes) and surface processes (streams, flooding, coastal zones, mass movements, glaciers, winds, desertification) are presented from the point of view of their influence on the geologic hazards, and on the distribution of natural resources. The interrelation of geology and human activities is examined in such contexts as waste disposal, air pollution, water contamination, climate change, land degradation, and resource and energy consumption. The format of this course includes one local field trip, lab activities on rocks and minerals identification, and introduction to topographic and geologic maps.

SC 135. Introduction to Meteorology. 3 Hours.
This course provides the student with a basic understanding of weather phenomenon and how weather is predicted. Students will master the terminology of weather prediction; explore the water cycle, and how the sun affects weather. The course will also treat atmospheric circulation, cloud formation and identification and students will learn how to make weather assumptions based on observations of temperature, pressure, humidity, wind direction, and sky cover. Students will also learn how weather data is collected and how forecasters make predictions based on previous and current weather observations.

SC 141. Environmental Science. 3 Hours.
This course is a survey of the important topics in environmental science. Concepts of energy flow and nutrient cycling are explored in the context of human impacts upon these processes. Sources of pollution and their total effect on ecosystem and biosphere function are also explored. Management of material wastes and energy efficiency is an integral theme of the class. This class satisfies the laboratory science requirement with a series on in-class lab experiences and field trips.

SC 142. Conservation and Resource Management. 3 Hours.
This course emphasizes the basic principles of conservation that are applied to utilization and management of natural resources such as soil, water, range lands, forests, wildlife, minerals, and human populations. The study of the interrelationships between living organisms and their environment is known as ecology. This course applies ecological concepts to conservation problems and policies. Prerequisite(s): SC 141.
SC 145. Environmental Science Field Experience I. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 146. Environmental Science Field Experience II. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 147. Environmental Science Field Experience III. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 150. Astronomy of the Solar System. 3 Hours.
This is an introductory astronomy course with a virtual observing component that is intended to give the students some basic knowledge about the world in which we live. The primary objective of this class is to help the students understand the solar system. The course will present an overview of the night sky, the constellations, light - telescope and the nature of stars and the galaxies but the emphasis will be on understanding our solar system. The Sun, Earth, Moon, planets and their satellites, asteroids and comets will be studied in some detail. No mathematics or physics background is assumed in this course.

SC 151. Conceptual Physics. 3 Hours.
Conceptual Physics is an introductory physics course with an integrated lab, intended primarily for non-science majors. In this course we will study motion, mechanics, gravity, heat, electricity, magnetism, optics, atomic, nuclear and molecular physics, and relativity. We will also learn about the process by which physicists attempt to understand the intriguing laws of nature. The course will be taught using a combination of lectures, classroom demonstrations and laboratory experiments. Understanding of the fundamental concepts rather than number crunching is emphasized in this course and the equations will serve to refine the concepts and facilitate student’s thinking process. Ultimately, it is hoped that by taking this course the student will develop a better appreciation for the natural world.

SC 157. Energy and Society. 3 Hours.
This course examines the basic physical principles underlying various energy technologies and develops the quantitative skills necessary to evaluate these technologies. Students present their work in both written and oral form. The end goal of this course is to help students become citizens that have the requisite background and communication skills to intelligently participate in energy policy discussions and decisions. Topics typically include basic scientific literacy and notation, introductory physics (such as force, work, energy, power), circuit analysis, thermodynamics, various energy technologies (fossil fuels, nuclear power, solar, hydroelectric, etc.), and placing these technologies in a broader environmental, social, and economic context. This course includes an integrated laboratory in order to introduce basic laboratory skills. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 180. Principles of Gen Chemistry. 3 Hours.
This course explores fundamental quantitative and qualitative principles of inorganic, organic and biological chemistry and provides a basic understanding of theoretical and applied aspects of general chemistry. Topics in inorganic chemistry include measurement, atomic theory and chemical bonding, chemical reactions and mass relationships, kinetic theory and gas laws, acids, bases, pH and buffers. Organic chemistry will provide an overview of the nomenclature, properties and reactivity of major groups of organic compounds, while biochemistry will focus on the chemistry of carbohydrates, lipids, proteins, and enzymes. An overview of biochemical energetics, nucleic acids and protein synthesis is also included.

SC 181. Chemistry I. 3 Hours.
This introduction to chemistry provides a basic understanding of theoretical and practical aspects of inorganic chemistry. The course includes the metric system, chemical elements and symbols, the structure of the atom, chemical bonds, molecules and compounds, and chemical reactions.

SC 182. Chemistry II. 3 Hours.
This course is a continuation of Chemistry I. It focuses on organic chemistry and biochemistry and provides a background for understanding the chemical mechanisms of health and disease. Organic chemistry will emphasize the study of carbon, its special properties, and its compounds. Biochemistry will focus on the chemicals of living organisms, carbohydrates, lipids, proteins, and nucleic acids. Selected physiological topics such as energy metabolism, the genetic code, and protein synthesis are included. Prerequisite(s): SC 181.
SC 191. General Biology I. 3 Hours.
General Biology I focuses on biological principles that are fundamental to all of biology. This course covers the diversity of life and the commonalities of all living things including: molecular structure, cell structure and function, metabolism, cell division, heredity, and genetics. This course will also review the scientific process and the evaluation of scientific information. This course will prepare students for future courses in anatomy and physiology, cell biology, microbiology, biochemistry, genomic biology, and other biological specialties. This course is limited to students in programs requiring this course or are intending to take further biology courses.

SC 192. General Biology II. 3 Hours.
General Biology II is the continuation of a two-semester series in general biology for science majors. This course is designed to provide a thorough introduction to biology and prepare students for further study of evolution and ecology in SC 240. The goal of the course is to emphasize the diversity of species and for students to understand their relationship to, and their place in, the natural world. General Biology II is an introduction to the systematics, anatomy and physiology of the plant and animal kingdoms. This course will examine the structure and function of plant and animal organ systems in the framework of the evolution of adaptations. The course also concludes with an introduction to ecological systems.

SC 199. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 202. Science Immersion. 3 Hours.
This course emphasizes conservation by providing students an experiential setting that illuminates various aspects of the precarious balance between people's effect on the environment and the natural order of things. Educational goals focus on the conservation and restoration of our natural heritage so that biodiversity is not depleted.

SC 210. Marine Biology. 3 Hours.
Oceans cover more than 70% of the earth's surface and support all life on the planet. This course follows an ecological approach to consider the adaptations and interactions of plants and animals with their marine habitats, with particular emphasis on the ecosystems and organisms in the Gulf of Maine. Communities discussed include the open ocean, the deep-sea, subtidal and intertidal zones, and estuaries, as well as habitats found exclusively in tropical and polar regions. Prerequisite(s): SC 191 or SC 192.

SC 221. Anatomy and Physiology I. 3 Hours.
This course provides an in-depth understanding of the structures and functions of the human body and its parts. The course begins with the organization of the human body and descriptive terminology relating to various segments of the body. Cellular anatomy and physiology and study of tissues lead to the study of the organ systems. Topics included in the course are skin, the skeletal system, joints, the nervous system, and muscle.

SC 222. Anatomy and Physiology II. 3 Hours.
This course is a continuation of Anatomy and Physiology I. The course will provide a thorough understanding of structure-function relationships down to the molecular level. The semester will cover the special senses, blood, the cardiovascular system, lymphatics, the respiratory system, the digestive system, the urinary system, the endocrine system, and reproduction. Prerequisite(s): SC 221.

SC 224. Research Design. 3 Hours.
This course introduces basic concepts and skills needed for understanding and conducting research in the social, educational and health sciences. Students will receive a basic introduction to the fundamentals of research—what it involves, what types exist, and how to design and conduct such research. Examined are the essential terms and concepts of research necessary for students to critically evaluate research literature, develop solid research questions, and plan simple research projects. Active engagement with the research process will occur through class participation, exercises, literature reviews, development of research questions, and creation of inquiry strategies for answering research questions. Prerequisite(s): MS 132.

SC 234. Nutrition. 3 Hours.
This course examines the basic nutritional principles (biological, chemical and regulatory mechanisms); the changing nutritional requirements throughout the life cycle; the relationship between nutrition and disease; the principles of therapeutic nutrition (diet therapy) and the assessment of nutritional status. Prerequisite(s): SC 180 or SC 181.

SC 240. Ecology. 3 Hours.
This course explores the interaction of biotic and abiotic components in functioning ecosystems. It will examine topics in population distribution and dynamics, major terrestrial and aquatic habitats, community interactions such as competition and predation, nutrient cycling, energy flow, and ecosystem succession. The concurrently run lab will train students in identifying local flora and fauna, as well as collection and analysis of field data. Prerequisite(s): SC 191 and SC 192.

SC 241. Microbiology. 3 Hours.
This course provides a broad understanding of both beneficial and harmful microorganisms and their roles in human welfare. Emphasis is placed on the structure, physiology, and control of human pathogens, particularly bacteria and viruses. The lab provides experience in important techniques of culturing, identifying, and controlling microorganisms. Prerequisite(s): SC 104 and (SC 191 or SC 221).

SC 242. Biotechnology. 3 Hours.
The current explosion in wonder drugs, diagnostic tests and medical treatments has resulted, primarily, from advances in biotechnology. This course will explore the origins and current status of biotechnology and how it is applied in the world or research, product development, medical diagnosis, disease treatment and law enforcement. This course will primarily focus on those areas of biotechnology that pertain to molecular biology and biochemistry. The laboratory portion of this course will expose students to many of the techniques used in molecular biology/biotechnology laboratories around the world. Prerequisite(s): SC 102 and SC 103.

SC 251. Astronomy. 3 Hours.
This is an introductory course that will describe, develop and create physical models for many of the observable astronomical events in the sky. The topics may include motion in the night sky, the solar system, light, stars, star groups, the origin of the universe, life in the universe, and UFO's.
SC 261. Integrated Physical Science I. 3 Hours.
Integrated Physical Science I is the first course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning career in elementary education. Using physical environment as a theme, principles of chemistry, physics, geology, atmospheric science, and space science are introduced, and reinforced through inquiry-based lab activities and field trips. This first course of the sequence, covers fundamental concepts of chemistry and physics, which include: motion, waves and particles, energy, structure and properties of inorganic and organic matter and their mixtures, interactions of energy and matter, order and equilibrium of physical systems. Prerequisite(s): SC 221 and (MS 111 or MS 141 or MS 180 or MS 181).

SC 262. Integrated Physical Science II. 3 Hours.
Integrated Physical Science II is the second course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning careers in elementary education. Using environment as a theme, principles of physical sciences are introduced and reinforced through inquiry-based lab activities and field trips. The course covers fundamental concepts of geology, atmospheric science, and space science. Prerequisite(s): SC 261.

SC 271. Physics I. 3 Hours.
Physics I is the first course in a two semester general physics sequence. The goal of this course is to introduce the student to the concepts of force and motion, work and energy, fluids and gases, heat and thermodynamics, and periodic motion. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 180 or MS 181.

SC 272. Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 271. Topics include electricity and magnetism, optics, atomic theory, relativity. Quantum mechanics, nuclear physics, and elementary particles. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. Prerequisite(s): MS 180 or MS 181.

SC 283. Soil, Air, and Water Chemistry. 3 Hours.
An understanding of the fundamental chemistry implicit in the environment is important, but students must also be familiar with aspects of mineralogy, oceanography, soil science, sedimentology and microbiology. The course emphasizes natural geochemical processes and how they operate over a variety of scales. Topics range from global issues such as atmospheric pollution and its effect on global warming and ozone destruction to the link between microbiological populations and local and global scale nutrient and chemical cycling. The course is designed to introduce the student to that major systems and cycles in the environment and how materials and energy are cycled in these systems. Prerequisite(s): SC 271 and SC 285.

SC 285. University Physics I. 3 Hours.
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.

SC 286. University Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 181 and SC 285.

SC 291. Cell Biology. 3 Hours.
This course is a detailed exploration of cell structure and function with an emphasis on the cytoplasm and extracellular matrix. Topics in membrane structure, transmembrane transport, vesicle trafficking, cytoskeletal organization, and macromolecular assembly processes are considered. Cell to cell communications and the role of the extracellular matrix in tissue level processes are also explored. Superficial examination is given to the structure and organization of the nucleus, chromosomes and gene expression to prepare students for the companion course entitled Genomic Biology. Prerequisite(s): SC 191.

SC 292. Epidemiology. 3 Hours.
Basic concepts of epidemiology and methods for identification of factors influencing health and disease in human populations. Considerations are centered on physical, biological, psychosocial and cultural factors in relation to infectious and noninfectious diseases; interactions between agent, host, and environmental factors as determinants of health and disease; application of the epidemiologic approach to health services; and retrospective and prospective analysis of morbidity data. Instruction is by lecture, laboratory exercises and seminars.

SC 299. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 312. Adult, Infant, and Child CPR First Aid. 3 Hours.
This is a standard American Heart and American Red Cross course in adult, infant and child emergency care of injuries and CPR. Standard certificate awarded on successful completion of course.

SC 330. Exercise Physiology. 3 Hours.
This course examines changes within the human body due to the effects of acute and chronic exercise. The student is challenged to expand both their knowledge of and appreciation of human physiological reaction, regulation, and adaptation to exercise. Prerequisite(s): SC 111 or SC 120 or SC 222.

SC 332. Physiological Ecology of Animals and Plants. 3 Hours.
This course explores the structural and functional relationships within plants and animals that make them adapted to their environment. This course uses numerous examples to illustrate how plants and animals survive given the constraints of their environment. Examples will be taken from temperate, arctic, alpine, tropical, desert, and aquatic ecosystems. Prerequisite(s): SC 191 and SC 192.

SC 333. Pathophysiology. 3 Hours.
Pathophysiology is the study of abnormal, diseased physiological processes. The course begins with an examination of altered cell functioning, injury and death. The course continues with pathophysiology of the body systems and inability of diseased systems to maintain homeostasis. Also included are topics in inflammation, immunity, neoplasia, and adaptations of the body to stress. Although aging is not considered a disease, some aspects of aging will be discussed. Prerequisite(s): SC 221 and SC 222.
SC 334. Genomic Biology. 3 Hours. This class will explore the structure of the nucleus, patterns of inheritance (traditional genetics), the molecular mechanisms of biological information management (molecular biology), and the technologies that are used to obtain and use the information contained within genomes (genomic science). The course will trace classical genetics, chromosome maps, the structure of DNA, gene expression and regulation, and the tools of molecular biology and genomic analysis. Prerequisite(s): SC 102 and (SC 180 or SC 181).

SC 351. Oceanography. 3 Hours. This course examines the physical and biological characteristics of the marine environment. Topics include the origin of earth and its oceans, life in the oceans, the history of oceanography, plate tectonics, the nature of water, ocean circulation, waves, tides, shorelines, and coastal regions. A large portion of the course examines the interrelationships between organisms and the marine environment, mariculture marine pollution, and pollution control.

SC 352. Biochemistry. 3 Hours. In this offering, the student will be exposed to reductionism in the field of biology. Biochemistry overlaps and articulates with many fields of endeavor. The discipline embraces physiology, pharmacology, enzymatics, nutrition, immunology, structural biology, biotechnology, and molecular biology all at the same time. The course curriculum will focus upon the role of enzymes in guiding metabolic processes and pathways. The student will come to understand the details of biological functioning at these three levels of organization: Metabolism, metabolic pathways, enzymatic mechanisms and kinetics. Prerequisite(s): SC 102 and SC 182.

SC 360. Biomechanics & Kinesiology in Human Performance. 3 Hours. This course examines the application of anatomical and physiological principles of kinesiology and physical movement. Topics include the scientific study of human movement, analysis of motor skills, and programs of exercise and evaluation of human performance. Prerequisite(s): SC 222 or SC 120.

SC 362. Dynamics of the Earth. 3 Hours. This course presents the basic concepts of earth science that include a broad and nonquantitative survey at the introductory level of topics in geology, oceanography, meteorology and astronomy. In geology, the topics emphasized are plate tectonics, volcanic activity, mountain building, minerals and rocks, earthquakes, geologic time and earth history. In meteorology, the specific areas include weather elements, weather patterns and storms. The astronomy unit reviews constellations, the moon, the solar system and beyond. Laboratory activities are included to demonstrate concepts. Within each unit human use and manipulation of physical resources is examined from both a scientific and economic perspective.

SC 367. Mathematics and Physics of Sustainable Energy. 3 Hours. In this course you will examine the basic physical principles behind the generation and consumption of electrical energy. Mathematical skills necessary to quantitatively compare different sustainable energy technologies and associated issues are developed. This course assumes no prior background in physics. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 371. Horticulture. 3 Hours. This course presents the fundamentals of horticulture including topics such as environmental factors affecting plants, methods of growing plants, pruning, grafting, harvesting and storing, pests and horticulture plants and their control, horticulture for home grounds, and the vegetable garden. Laboratory activities enable students to practice experimental design and planting techniques used in horticulture.

SC 373. Inorganic Chemistry. 3 Hours. This course is designed to introduce the basic principles and concepts of inorganic chemistry. The course is intended for students who wish to pursue careers in chemistry, biochemistry, pharmacology, or the life sciences. Topics to be covered include: atomic and molecular structure, experimental techniques, bonding in polyatomic, acid/base chemistry, oxidation/reduction, descriptive chemistry of hydrogen and the s, p, d, and f block elements. Prerequisite(s): SC 181 and SC 182 and MS 181.

SC 381. Organic Chemistry I. 3 Hours. This course comprises the first semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on chemical bonding, stereochemistry, and reaction mechanisms. Chemistry, as one of the exact sciences, requires quantification. Therefore, development of the critical thinking and problem solving strategies, as well as the experimental know-how and laboratory skills are major objectives of the course. Introduction to microscale lab techniques, modern analytical instrumentation, as well as computation technology additionally supports objectives of the course. Prerequisite(s): SC 182.

SC 382. Organic Chemistry II. 3 Hours. This course comprises the second semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on stereochemistry, modern instrumental methods in identification of organic compounds, energetics, reaction mechanisms, and selected applications in biochemistry. Critical analysis of structure-properties’ relationships in organic chemistry, and their applications, as well as more advanced know-how (FT-NMR or FT-IR, and UV/Vis spectroscopies) and laboratory skills (applications of semi-empirical molecular computations, and multistep synthetic procedures) are major objectives of this course. Prerequisite(s): SC 381.

SC 383. Junior Science Research Seminar. 3 Hours. This course introduces students to careers in science, the scientific research process, and research expectations within the biology, health science, chemistry and environmental science majors. The major focus is to develop a senior research proposal on the basis of what is attainable, interesting, and meaningful. Students learn, in detail, both the limits and expectations of undergraduate research in the sciences. Students are introduced to the important role of library resources and the professional literature as they investigate their chosen topic. Students will be expected to write a resume and career goals statement, give an oral presentation on a chosen career field in science, lead a class discussion of a scientific article, and submit a written research proposal that includes a scientific literature review, problem statement or hypothesis, a timeline for completion, and detailed budget for their proposed senior thesis research. Students will also give an oral presentation on their proposed research and evaluate other student’s research proposals. Prerequisite(s): SC 224.

SC 393. Physical Chemistry. 3 Hours. This course provides an introduction to the methods describing complex physiochemical systems and their responses to external chemical and/or physical stresses. Classical and modern theories of equilibrium and non-equilibrium thermodynamics, kinetic theory of transport phenomena, as well as quantum and statistical mechanics are introduced and applied to molecular systems and spectroscopy. Biological and biochemical problems are shown how to be formulated and solved by using principles of physical chemistry. Prerequisite(s): MS 132 and MS 181 and SC 182 and SC 272.
SC 394. Analytical Chemistry. 3 Hours.
This course is an introduction to the fundamentals of analytical chemistry. It covers sample treatment, statistical analysis of data, measurement errors, and applications of chemical equilibrium, kinetics, transport, light scattering, emission, and absorption to chemical analysis. The following analytical methods are studied: Volumetric, gravimetric, electrochemical, chromatography, and spectroscopy. The course includes lab. Prerequisite(s): MS 132 and (MS 180 or MS 181) and SC 382 and SL 382.

SC 399. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 410. Motor Learning in Human Performance. 3 Hours.
This course explores the application of learning and performance of motor skills. Topics include the scientific study of motor skills and abilities, motor control, attention and memory, motor skill learning, instruction and augmented feedback, and practice conditions. Prerequisite(s): SC 222 or SC 120.

SC 450. Physical Biochemistry. 5 Hours.
This course entails a study of the physical processes involved in living systems including thermodynamics and equilibria, kinetics and transport phenomena, and applications of quantum chemistry and spectroscopy. Prerequisite(s): SC 352 and SL 393 and MS 182 and SC 272.

SC 481. Biological Research & Laboratory Safety I. 3 Hours.
This course serves as the capstone course in the Biology major. Under supervision of the instructor, students are expected to conduct self-directed, individual laboratory or field research in biology. During this course, students will collect and analyze data, and share the results of experiments with classmates in a seminar setting. At the end of the semester, students present the final results of their research in the form of a final oral presentation and written thesis. Prerequisite(s): SC 383.

SC 482. Biological Research & Laboratory Safety II. 3 Hours.
The course serves as the continuation of the capstone course in the Biology major and is necessarily preceded by SC 481. Students who wish to continue with their laboratory or field research may elect to take this course. The emphasis during this semester will be on increasing sample size or elaborating on the research that was started in SC 481. Students will be required to share their final results with the Husson University community and at a regional or national scientific meeting. Students will be encouraged to publish their work in the peer-reviewed literature. Prerequisite(s): SC 481.

SC 490. Environmental Science Research Seminar I. 3 Hours.
Environmental Science is a dynamic, responsive, and applied discipline. In this experiential course, students explore potential careers and research areas in Environmental Science. With individual guidance from course instructors as well as collaborative study, students will develop working résumés, apply for internship positions, and synthesize the primary scientific literature in their field of interest to develop a feasible scientific research proposal. An internship in environmental science with a local, state, or federal agency or a private organization is a required component of this course; students share their internship experience with classmates and the Husson community.

SC 491. Environmental Science Research Seminar II. 3 Hours.
This course serves as the capstone course in the Environmental Science Program. With guidance from course instructors, students conduct individual, self-directed research in their field of interest within the discipline of Environmental Science. During this course, students collect, analyze, and interpret data to complete a final written thesis. Students disseminate the results of their research with classmates and the Husson community in the form of a written and oral presentation. Exceptional students are encouraged to present their research at a local, state or national conference. Prerequisite(s): SC 490.

SC 492. Senior Chemistry Research Seminar. 3 Hours.
This capstone course provides an introduction to research in chemical sciences. In the seminar setting students critically review primary literature sources and design, with help of the instructor, a serious and original research proposal in theoretical or experimental chemistry. Students discuss their ideas and applied methodology with classmates during regular weekly meetings. The approved by instructor research hypotheses are subsequently validated by experiments, field studies, or theoretical calculations. Students report and share the research findings with classmates in the seminar format. The authors of projects of very high quality will be encouraged to present their work at regional chemical conferences. Prerequisite(s): SC 393 and SC 394.

SC 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

B.S. in Biology

General Education Courses

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<th>Course</th>
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<th>Credits</th>
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<td>EH 123</td>
<td>Rhetoric and Composition I</td>
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<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
<td>3</td>
</tr>
<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
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<tr>
<td>HE 111</td>
<td>The Husson Experience</td>
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<td>MS 132</td>
<td>Probability and Statistics</td>
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<td>MS 141</td>
<td>Contemporary College Algebra</td>
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<td>PY 111</td>
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<td>Communications Elective</td>
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<td>Fine Arts Elective</td>
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<td>Foreign Culture and Conversation Elective</td>
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<td>Global Elective</td>
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Professional Courses

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<td>SC 181</td>
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<td>and Chemistry Lab II</td>
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<tr>
<td>SC 191</td>
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<td>SC 240</td>
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<tr>
<td>SC 291</td>
<td>Cell Biology</td>
<td>3</td>
</tr>
</tbody>
</table>
## Suggested Course Sequence

### First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EH 123</td>
<td>3</td>
<td>EH 124</td>
<td>3</td>
</tr>
<tr>
<td>HE 111**</td>
<td>1</td>
<td>MS 141</td>
<td>4</td>
</tr>
<tr>
<td>PY 111</td>
<td>3</td>
<td>SC 182 &amp; SL 182</td>
<td>4</td>
</tr>
<tr>
<td>SC 181 &amp; SL 181</td>
<td>4</td>
<td>SC 192 &amp; SL 192</td>
<td>4</td>
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<tr>
<td>SC 191 &amp; SL 191</td>
<td>4</td>
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<tr>
<td><strong>Total Hours</strong></td>
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### Second Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
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<tbody>
<tr>
<td>MS 132</td>
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<td>EH 200</td>
<td>3</td>
</tr>
<tr>
<td>SC 240 &amp; SL 240</td>
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<td>Communications Elective</td>
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</tr>
<tr>
<td>Biology Elective (100+)</td>
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<td>SC 291</td>
<td>3</td>
</tr>
<tr>
<td>Ethics Elective</td>
<td>3</td>
<td>Biology Elective (100+)</td>
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</tr>
<tr>
<td>Global Perspectives Elective</td>
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<td>Foreign Culture and Conversation Elective</td>
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<td><strong>Total Hours</strong></td>
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### Third Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
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<tbody>
<tr>
<td>SC 334</td>
<td>3</td>
<td>Biology Elective (200+)</td>
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<tr>
<td>SC 383</td>
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<td>Communications Elective</td>
<td>3</td>
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<tr>
<td>Biology Elective (200+)</td>
<td>3-4</td>
<td>Fine Arts Elective</td>
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<tr>
<td>Physical Science Elective</td>
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<td>Physical Science Elective</td>
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<tr>
<td>Open Elective</td>
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<td>MS 345</td>
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<td><strong>Total Hours</strong></td>
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### Fourth Year

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<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Biology Elective (200+)</td>
<td>3-4</td>
<td>Biology Elective (200+)</td>
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<tr>
<td>Open Elective</td>
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<td>Open Elective</td>
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<td>Open Elective</td>
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<tr>
<td>Open Elective</td>
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<td>Open Elective</td>
<td>3</td>
</tr>
<tr>
<td>SC 481 (OR SC Elective 300+)</td>
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<td>SC 482 (OR SC Elective 300+)</td>
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**Total Hours: 121-129**

***Credit may not be required for degree completion.***

### Courses

**SC 101. Introduction to Nutrition. 3 Hours.**
This course serves as an introduction to nutritional concepts and to the interconnections of health, nutrition, weight, and physical activity. This course is particularly appropriate for students with no science background.

**SC 104. Organismal Biology. 3 Hours.**
Organismal Biology is an introductory biology course with an integrated lab, intended primarily for non-science majors. This course enables the student to become aware of their role in the complex biological system in which they live. Students will learn about plant biology, animal biology and microbiology in the context of how these organisms have shaped our current state of biodiversity. Since all organisms grow, develop and subsist within an environment, topics will include how organisms survive in, and interact with other organisms within their ecological community.

**SC 105. Headline Science. 3 Hours.**
This course explores various contemporary issues in science using an integrative and societal approach. Students will study the topics from a biological, chemical, physical, and environmental perspective, and relate the significance of the scientific matter to their major field of study. This course is intended for non-science majors.

**SC 120. Functional Anatomy and Physiology. 3 Hours.**
Functional Anatomy and Physiology is a one semester, 3 credit lecture with a separate laboratory course designed to give the non-science major knowledge of the human body and its relationship with the environment. Topics covered include: the chemical basis of life, the anatomy & physiology of all organ systems, growth, development, heredity and biotechnology issues.

**SC 131. Human Genetics. 3 Hours.**
This course is designed for nonscience majors to support the natural interest of most people in those human physical, behavioral, and social characteristics that have a hereditary basis. Lectures, discussions and the solving of simple genetic and statistical problems are used to form a basis for the consideration of current social issues with genetic implications.
SC 134. Introduction to Geology. 3 Hours.
The course, specifically designed for the Environmental Science majors, introduces fundamentals of geology in the environmental context. The issues of local and global environmental changes are placed into a broader perspective of the functioning of the Earth system. Students are introduced into the science of Earth’ materials: rocks, minerals, soils, and waters and the processes forming them. The internal processes (plate tectonics, earthquakes, volcanoes) and surface processes (streams, flooding, coastal zones, mass movements, glaciers, winds, desertification) are presented from the point of view of their influence on the geologic hazards, and on the distribution of natural resources. The interrelation of geology and human activities is examined in such contexts as waste disposal, air pollution, water contamination, climate change, land degradation, and resource and energy consumption. The format of this course includes one local field trip, lab activities on rocks and minerals identification, and introduction to topographic and geologic maps.

SC 135. Introduction to Meteorology. 3 Hours.
This course provides the student with a basic understanding of weather phenomenon and how weather is predicted. Students will master the terminology of weather prediction, explore the water cycle, and how the sun affects weather. The course will also treat atmospheric circulation, cloud formation and identification and students will learn how to make weather assumptions based on observations of temperature, pressure, humidity, wind direction, and sky cover. Students will also learn how weather data is collected and how forecasters make predictions based on previous and current weather observations.

SC 141. Environmental Science. 3 Hours.
This course is a survey of the important topics in environmental science. Concepts of energy flow and nutrient cycling are explored in the context of human impacts upon these processes. Sources of pollution and their total effect on ecosystem and biosphere function are also explored. Management of material wastes and energy efficiency is an integral theme of the class. This class satisfies the laboratory science requirement with a series on in-class lab experiences and field trips.

SC 142. Conservation and Resource Management. 3 Hours.
This course emphasizes the basic principles of conservation that are applied to utilization and management of natural resources such as soil, water, range lands, forests, wildlife, minerals, and human populations. The study of the interrelationships between living organisms and their environment is known as ecology. This course applies ecological concepts to conservation problems and policies. Prerequisite(s): SC 141.

SC 145. Environmental Science Field Experience I. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 146. Environmental Science Field Experience II. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 147. Environmental Science Field Experience III. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 150. Astronomy of the Solar System. 3 Hours.
This is an introductory astronomy course with a virtual observing component that is intended to give the students some basic knowledge about the world in which we live. The primary objective of this class is to help the students understand the solar system. The course will present an overview of the night sky, the constellations, light - telescope and the nature of stars and the galaxies but the emphasis will be on understanding our solar system. The Sun, Earth, Moon, planets and their satellites, asteroids and comets will be studied in some detail. No mathematics or physics background is assumed in this course.

SC 151. Conceptual Physics. 3 Hours.
Conceptual Physics is an introductory physics course with an integrated lab, intended primarily for non-science majors. In this course we will study motion, mechanics, gravity, heat, electricity, magnetism, optics, atomic, nuclear and molecular physics, and relativity. We will also learn about the process by which physicists attempt to understand the intriguing laws of nature. The course will be taught using a combination of lectures, classroom demonstrations and laboratory experiments. Understanding of the fundamental concepts rather than number crunching is emphasized in this course and the equations will serve to refine the concepts and facilitate student’s thinking process. Ultimately, it is hoped that by taking this course the student will develop a better appreciation for the natural world.
SC 167. Energy and Society. 3 Hours.
This course examines the basic physical principles underlying various energy technologies and develops the quantitative skills necessary to evaluate these technologies. Students present their work in both written and oral form. The end goal of this course is to help students become citizens that have the requisite background and communication skills to intelligently participate in energy policy discussions and decisions. Topics typically include basic scientific literacy and notation, introductory physics (such as force, work, energy, power), circuit analysis, thermodynamics, various energy technologies (fossil fuels, nuclear power, solar, hydroelectric, etc.), and placing these technologies in a broader environmental, social, and economic context. This course includes an integrated laboratory in order to introduce basic laboratory skills. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 180. Principles of Gen Chemistry. 3 Hours.
This course explores fundamental quantitative and qualitative principles of inorganic, organic and biological chemistry and provides a basic understanding of theoretical and applied aspects of general chemistry. Topics in inorganic chemistry include measurement, atomic theory and chemical bonding, chemical reactions and mass relationships, kinetic theory and gas laws, acids, bases, pH and buffers. Organic chemistry will provide an overview of the nomenclature, properties and reactivity of major groups of organic compounds, while biochemistry will focus on the chemistry of carbohydrates, lipids, proteins, and enzymes. An overview of biochemical energetics, nucleic acids and protein synthesis is also included.

SC 181. Chemistry I. 3 Hours.
This introduction to chemistry provides a basic understanding of theoretical and practical aspects of inorganic chemistry. The course includes the metric system, chemical elements and symbols, the structure of the atom, chemical bonds, molecules and compounds, and chemical reactions.

SC 182. Chemistry II. 3 Hours.
This course is a continuation of Chemistry I. It focuses on organic chemistry and biochemistry and provides a background for understanding the chemical mechanisms of health and disease. Organic chemistry will emphasize the study of carbon, its special properties, and its compounds. Biochemistry will focus on the chemicals of living organisms, carbohydrates, lipids, proteins, and nucleic acids. Selected physiological topics such as energy metabolism, the genetic code, and protein synthesis are included. Prerequisite(s): SC 181.

SC 191. General Biology I. 3 Hours.
General Biology I focuses on biological principles that are fundamental to all of biology. This course covers the diversity of life and the commonalities of all living things including: molecular structure, cell structure and function, metabolism, cell division, heredity, and genetics. This course will also review the scientific process and the evaluation of scientific information. This course will prepare students for future courses in anatomy and physiology, cell biology, microbiology, biochemistry, genomic biology, and other biological specialties. This course is limited to students in programs requiring this course or are intending to take further biology courses.

SC 192. General Biology II. 3 Hours.
General Biology II is the continuation of a two-semester series in general biology for science majors. This course is designed to provide a thorough introduction to biology and prepare students for further study of evolution and ecology in SC 240. The goal of the course is to emphasize the diversity of species and for students to understand their relationship to, and their place in, the natural world. General Biology II is an introduction to the systematics, anatomy and physiology of the plant and animal kingdoms. This course will examine the structure and function of plant and animal organ systems in the framework of the evolution of adaptations. The course also concludes with an introduction to ecological systems.

SC 199. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 202. Science Immersion. 3 Hours.
This course emphasizes conservation by providing students an experiential setting that illuminates various aspects of the precarious balance between people's effect on the environment and the natural order of things. Educational goals focus on the conservation and restoration of our natural heritage so that biodiversity is not depleted.

SC 210. Marine Biology. 3 Hours.
Oceans cover more than 70% of the earth's surface and support all life on the planet. This course follows an ecological approach to consider the adaptations and interactions of plants and animals with their marine habitats, with particular emphasis on the ecosystems and organisms in the Gulf of Maine. Communities discussed include the open ocean, the deep-sea, subtidal and intertidal zones, and estuaries, as well as habitats found exclusively in tropical and polar regions. Prerequisite(s): SC 191 or SC 192.

SC 221. Anatomy and Physiology I. 3 Hours.
This course provides an in-depth understanding of the structures and functions of the human body and its parts. The course begins with the organization of the human body and descriptive terminology relating to various segments of the body. Cellular anatomy and physiology and study of tissues lead to the study of the organ systems. Topics included in the course are skin, the skeletal system, joints, the nervous system, and muscle.

SC 222. Anatomy and Physiology II. 3 Hours.
This course is a continuation of Anatomy and Physiology I. The course will provide a thorough understanding of structure-function relationships down to the molecular level. The semester will cover the special senses, blood, the cardiovascular system, lymphatics, the respiratory system, the digestive system, the urinary system, the endocrine system, and reproduction. Prerequisite(s): SC 221.

SC 224. Research Design. 3 Hours.
This course introduces basic concepts and skills needed for understanding and conducting research in the social, educational and health sciences. Students will receive a basic introduction to the fundamentals of research—what it involves, what types exist, and how to design and conduct such research. Examined are the essential terms and concepts of research necessary for students to critically evaluate research literature, develop solid research questions, and plan simple research projects. Active engagement with the research process will occur through class participation, exercises, literature reviews, development of research questions, and creation of inquiry strategies for answering research questions. Prerequisite(s): MS 132.
SC 234. Nutrition. 3 Hours.
This course examines the basic nutritional principles (biological, chemical and regulatory mechanisms); the changing nutritional requirements throughout the life cycle; the relationship between nutrition and disease; the principles of therapeutic nutrition (diet therapy) and the assessment of nutritional status. Prerequisite(s): SC 180 or SC 181.

SC 240. Ecology. 3 Hours.
This course explores the interaction of biotic and abiotic components in functioning ecosystems. It will examine topics in population distribution and dynamics, major terrestrial and aquatic habitats, community interactions such as competition and predation, nutrient cycling, energy flow, and ecosystem succession. The concurrently run lab will train students in identifying local flora and fauna, as well as collection and analysis of field data. Prerequisite(s): SC 191 and SC 192.

SC 241. Microbiology. 3 Hours.
This course provides a broad understanding of both beneficial and harmful microorganisms and their roles in human welfare. Emphasis is placed on the structure, physiology, and control of human pathogens, particularly bacteria and viruses. The lab provides experience in important techniques of culturing, identifying, and controlling microorganisms. Prerequisite(s): SC 104 and (SC 191 or SC 221).

SC 242. Biotechnology. 3 Hours.
The current explosion in wonder drugs, diagnostic tests and medical treatments has resulted, primarily, from advances in biotechnology. This course will explore the origins and current status of biotechnology and how it is applied in the world or research, product development, medical diagnosis, disease treatment and law enforcement. This course will primarily focus on those areas of biotechnology that pertain to molecular biology and biochemistry. The laboratory portion of this course will expose students to many of the techniques used in molecular biology/biotechnology laboratories around the world. Prerequisite(s): SC 102 and SC 103.

SC 251. Astronomy. 3 Hours.
This is an introductory course that will describe, develop and create physical models for many of the observable astronomical events in the sky. The topics may include motion in the night sky, the solar system, light, stars, star groups, the origin of the universe, life in the universe, and UFO's.

SC 261. Integrated Physical Science I. 3 Hours.
Integrated Physical Science I is the first course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning career in elementary education. Using physical environment as a theme, principles of chemistry, physics, geology, atmospheric science, and space science are introduced, and reinforced through inquiry-based lab activities and field trips. This first course of the sequence, covers fundamental concepts of chemistry and physics, which include: motion, waves and particles, energy, structure and properties of inorganic and organic matter and their mixtures, interactions of energy and matter, order and equilibrium of physical systems. Prerequisite(s): EH 123 and (MS 111 or MS 141 or MS 180 or MS 181).

SC 262. Integrated Physical Science II. 3 Hours.
Integrated Physical Science II is the second course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning careers in elementary education. Using environment as a theme, principles of physical sciences are introduced and reinforced through inquiry-based lab activities and field trips. The course covers fundamental concepts of geology, atmospheric science, and space science. Prerequisite(s): SC 261.

SC 271. Physics I. 3 Hours.
Physics I is the first course in a two semester general physics sequence. The goal of this course is to introduce the student to the concepts of force and motion, work and energy, fluids and gases, heat and thermodynamics, and periodic motion. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 180 or MS 181.

SC 272. Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 271. Topics include electricity and magnetism, optics, atomic theory, relativity. Quantum mechanics, nuclear physics, and elementary particles. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. Prerequisite(s): SC 271.

SC 283. Soil, Air, and Water Chemistry. 3 Hours.
An understanding of the fundamental chemistry implicit in the environment is important, but students must also be familiar with aspects of mineralogy, oceanography, soil science, sedimentology and microbiology. The course emphasizes natural geochemical processes and how they operate over a variety of scales. Topics range from global issues such as atmospheric pollution and its effect on global warming and ozone destruction to the link between microbiological populations and local and global scale nutrient and chemical cycling. The course is designed to introduce the student to that major systems and cycles in the environment and how materials and energy are cycled in these systems. Prerequisite(s): SC 181 and SC 182 and SL 181 and SL 182.

SC 285. University Physics I. 3 Hours.
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.

SC 286. University Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 181 and SC 285.

SC 291. Cell Biology. 3 Hours.
This course is a detailed exploration of cell structure and function with an emphasis on the cytoplasm and extracellular matrix. Topics in membrane structure, transmembrane transport, vesicle trafficking, cytoskeletal organization, and macromolecular assembly processes are considered. Cell to cell communications and the role of the extracellular matrix in tissue level processes are also explored. Superficial examination is given to the structure and organization of the nucleus, chromosomes and gene expression to prepare students for the companion course entitled Genomic Biology. Prerequisite(s): SC 191.

SC 292. Epidemiology. 3 Hours.
Basic concepts of epidemiology and methods for identification of factors influencing health and disease in human populations. Considerations are centered on physical, biological, psychosocial and cultural factors in relation to infectious and noninfectious diseases; interactions between agent, host, and environmental factors as determinants of health and disease; application of the epidemiologic approach to health services; and retrospective and prospective analysis of morbidity data. Instruction is by lecture, laboratory exercises and seminars.
SC 299. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 312. Adult, Infant, and Child CPR First Aid. 3 Hours.
This is a standard American Heart and American Red Cross course in adult, infant and child emergency care of injuries and CPR. Standard certificate awarded on successful completion of course.

SC 330. Exercise Physiology. 3 Hours.
This course examines changes within the human body due to the effects of acute and chronic exercise. The student is challenged to expand both their knowledge of and appreciation of human physiological reaction, regulation, and adaptation to exercise. Prerequisite(s): SC 111 or SC 120 or SC 222.

SC 332. Physiological Ecology of Animals and Plants. 3 Hours.
This course explores the structural and functional relationships within plants and animals that make them adapted to their environment. This course uses numerous examples to illustrate how plants and animals survive given the constraints of their environment. Examples will be taken from temperate, arctic, alpine, tropical, desert, and aquatic ecosystems. Prerequisite(s): SC 191 and SC 192.

SC 333. Pathophysiology. 3 Hours.
Pathophysiology is the study of abnormal, diseased physiological processes. The course begins with an examination of altered cell functioning, injury and death. The course continues with pathophysiology of the body systems and inability of diseased systems to maintain homeostasis. Also included are topics in inflammation, immunity, neoplasia, and adaptations of the body to stress. Although aging is not considered a disease, some aspects of aging will be discussed. Prerequisite(s): SC 221 and SC 222.

SC 334. Genomic Biology. 3 Hours.
This class will explore the structure of the nucleus, patterns of inheritance (traditional genetics), the molecular mechanisms of biological information management (molecular biology), and the technologies that are used to obtain and use the information contained within genomes (genomic science). The course will trace classical genetics, chromosome maps, the structure of DNA, gene expression and regulation, and the tools of molecular biology and genomic analysis. Prerequisite(s): SC 221 and SC 222.

SC 351. Oceanography. 3 Hours.
This course examines the physical and biological characteristics of the marine environment. Topics include the origin of earth and its oceans, life in the oceans, the history of oceanography, plate tectonics, the nature of water, ocean circulation, waves, tides, shorelines, and coastal regions. A large portion of the course examines the interrelationships between organisms and the marine environment, marine culture marine pollution, and pollution control.

SC 352. Biochemistry. 3 Hours.
In this offering, the student will be exposed to reductionism in the field of biology. Biochemistry overlaps and articulates with many fields of endeavor. The discipline embraces physiology, pharmacology, enzymatics, nutrition, immunology, structural biology, biotechnology, and molecular biology all at the same time. The course curriculum will focus upon the role of enzymes in guiding metabolic processes and pathways. The student will come to understand the details of biological functioning at these three levels of organization: Metabolism, metabolic pathways, enzymatic mechanisms and kinetics. Prerequisite(s): SC 102 and SC 182.

SC 360. Biomechanics & Kinesiology in Human Performance. 3 Hours.
This course examines the application of anatomical and physiological principles of kinesiology and physical movement. Topics include the scientific study of human movement, analysis of motor skills, and programs of exercise and evaluation of human performance. Prerequisite(s): SC 222 or SC 120.

SC 362. Dynamics of the Earth. 3 Hours.
This course presents the basic concepts of earth science that include a broad and nonquantitative survey at the introductory level of topics in geology, oceanography, meteorology and astronomy. In geology, the topics emphasized are plate tectonics, volcanic activity, mountain building, minerals and rocks, earthquakes, geologic time and earth history. In meteorology, the specific areas include weather elements, weather patterns and storms. The astronomy unit reviews constellations, the moon, the solar system and beyond. Laboratory activities are included to demonstrate concepts. Within each unit human use and manipulation of physical resources is examined from both a scientific and economic perspective.

SC 367. Mathematics and Physics of Sustainable Energy. 3 Hours.
In this course you will examine the basic physical principles behind the generation and consumption of electrical energy. Mathematical skills necessary to quantitatively compare different sustainable energy technologies and associated issues are developed. This course assumes no prior background in physics. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 371. Horticulture. 3 Hours.
This course presents the fundamentals of horticulture including topics such as environmental factors affecting plants, methods of growing plants, pruning, grafting, harvesting and storing, pests and horticulture plants and their control, horticulture for home gardens, and the vegetable garden. Laboratory activities enable students to practice experimental design and planting techniques used in horticulture.

SC 373. Inorganic Chemistry. 3 Hours.
This course is designed to introduce the basic principles and concepts of inorganic chemistry. The course is intended for students who wish to pursue careers in chemistry, biochemistry, pharmacology, or the life sciences. Topics to be covered include: atomic and molecular structure, experimental techniques, bonding in polyatomics, acid/base chemistry, oxidation/reduction, descriptive chemistry of hydrogen and the s, p, d, and f block elements. Prerequisite(s): SC 181 and SC 182 and MS 181.

SC 381. Organic Chemistry I. 3 Hours.
This course comprises the first semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on chemical bonding, stereochemistry, and reaction mechanisms. Chemistry, as one of the exact sciences, requires quantification. Therefore, development of the critical thinking and problem solving strategies, as well as the experimental know-how and laboratory skills are major objectives of the course. Introduction to microscale lab techniques, modern analytical instrumentation, as well as computation technology additionally supports objectives of the course. Prerequisite(s): SC 182.
SC 382. Organic Chemistry II. 3 Hours.
This course comprises the second semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on stereochemistry, modern instrumental methods in identification of organic compounds, energetics, reaction mechanisms, and selected applications in biochemistry. Critical analysis of structure-properties’ relationships in organic chemistry, and their applications, as well as more advanced know-how (FT-NMR or FT-IR, and UV/Vis spectroscopies) and laboratory skills (applications of semi-empirical molecular computations, and multistep synthetic procedures) are major objectives of this course. Prerequisite(s): SC 381.

SC 383. Junior Science Research Seminar. 3 Hours.
This course introduces students to careers in science, the scientific research process, and research expectations within the biology, health science, chemistry and environmental science majors. The major focus is to develop a senior research proposal on the basis of what is attainable, interesting, and meaningful. Students learn, in detail, both the limits and expectations of undergraduate research in the sciences. Students are introduced to the important role of library resources and the professional literature as they investigate their chosen topic. Students will be expected to write a resume and career goals statement, give an oral presentation on a chosen career field in science, lead a class discussion of a scientific article, and submit a written research proposal that includes a scientific literature review, problem statement or hypothesis, a timeline for completion, and detailed budget for their proposed senior thesis research. Students will also give an oral presentation on their proposed research and evaluate other student’s research proposals. Prerequisite(s): SC 224.

SC 393. Physical Chemistry. 3 Hours.
This course provides an introduction to the methods describing complex physicochemical systems and their responses to external chemical and/or physical stresses. Classical and modern theories of equilibrium and non-equilibrium thermodynamics, kinetic theory of transport phenomena, as well as quantum and statistical mechanics are introduced and applied to molecular systems and spectroscopy. Biological and biochemical problems are shown how to be formulated and solved by using principles of physical chemistry. Prerequisite(s): MS 132 and MS 181 and SC 182 and SC 272.

SC 394. Analytical Chemistry. 3 Hours.
This course is an introduction to the fundamentals of analytical chemistry. It covers sample treatment, statistical analysis of data, measurement errors, and applications of chemical equilibrium, kinetics, transport, light scattering, emission, and absorption to chemical analysis. The following analytical methods are studied: Volumetric, gravimetric, electrochemical, chromatography, and spectroscopy. The course includes lab. Prerequisite(s): MS 132 and (MS 180 or MS 181) and SC 382 and SL 382.

SC 399. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 410. Motor Learning in Human Performance. 3 Hours.
This course explores the application of learning and performance of motor skills. Topics include the scientific study of motor skills and abilities, motor control, attention and memory, motor skill learning, instruction and augmented feedback, and practice conditions. Prerequisite(s): SC 222 or SC 120.

SC 450. Physical Biochemistry. 5 Hours.
This course entails a study of the physical processes involved in living systems including thermodynamics and equilibria, kinetics and transport phenomena, and applications of quantum chemistry and spectroscopy. Prerequisite(s): SC 352 and SL 393 and MS 182 and SC 272.

SC 481. Biological Research & Laboratory Safety I. 3 Hours.
This course serves as the capstone course in the Biology major. Under supervision of the instructor, students are expected to conduct self-directed, individual laboratory or field research in biology. During this course, students will collect and analyze data, and share the results of experiments with classmates in a seminar setting. At the end of the semester, students present the final results of their research in the form of a final oral presentation and written thesis. Prerequisite(s): SC 383.

SC 482. Biological Research & Laboratory Safety II. 3 Hours.
The course serves as the continuation of the capstone course in the Biology major and is necessarily preceded by SC 481. Students who wish to continue with their laboratory or field research may elect to take this course. The emphasis during this semester will be on increasing sample size or elaborating on the research that was started in SC 481. Students will be required to share their final results with the Husson University community at a local, state, or federal agency or a private organization is a required component of this course; students share their internship experience with classmates and the Husson community.

SC 490. Environmental Science Research Seminar I. 3 Hours.
Environmental Science is a dynamic, responsive, and applied discipline. In this experiential course, students explore potential careers and research areas in Environmental Science. With individual guidance from course instructors as well as collaborative study, students will develop working résumés, apply for internship positions, and synthesize the primary scientific literature in their field of interest to develop a feasible scientific research proposal. An internship in environmental science with a local, state, or federal agency or a private organization is a required component of this course; students share their internship experience with classmates and the Husson community.

SC 491. Environmental Science Research Seminar II. 3 Hours.
This course serves as the capstone course in the Environmental Science Program. With guidance from course instructors, students conduct individual, self-directed research in their field of interest within the discipline of Environmental Science. During this course, students collect, analyze, and interpret data to complete a final written thesis. Students disseminate the results of their research with classmates and the Husson community in the form of a written and oral presentation. Exceptional students are encouraged to present their research at a local, state or national conference. Prerequisite(s): SC 490.

SC 492. Senior Chemistry Research Seminar. 3 Hours.
This capstone course provides an introduction to research in chemical sciences. In the seminar setting students critically review primary literature sources and design, with help of the instructor, a serious and original research proposal in theoretical or experimental chemistry. Students discuss their ideas and applied methodology with classmates during regular weekly meetings. The approved by instructor research hypotheses are subsequently validated by experiments, field studies, or theoretical calculations. Students report and share the research findings with classmates in the seminar format. The authors of projects of very high quality will be encouraged to present their work at regional chemical conferences. Prerequisite(s): SC 393 and SC 394.
SC 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

Biochemistry

The need to develop biological products and processes that improve people's lives is fueling a demand for biochemists. These individuals study the chemical and physical principles of living things and biological processes such as cell development, growth, heredity, and disease. Biochemists can then apply this knowledge in research and commercial enterprises, typically working in laboratories and offices where they conduct experiments and analyze results. Students who complete this degree will have the foundational knowledge needed to work in chemistry, healthcare, business and environmental science or to move into graduate work in the health professions. Graduate work may include research as well as medical, pharmacy, veterinary or other professional school.

This program is for students interested in a broad-based biology/chemistry curriculum whose flexible design allows students to create a customized major that fits their own unique interests. At Husson, the biochemistry program includes highly individualized degree plans that increase student understanding of fundamental and advanced biological and chemical processes. The program also positions successful graduates for careers or enrollment in graduate school.

Students must earn an overall 2.0 cumulative grade-point average and a "C" or better in every Biology and Chemistry course. Transfer students must complete a minimum of thirty (30) credit hours at Husson University. At least fifteen (15) credits must be earned in Husson Biology or Chemistry courses.

SC Courses

SC 101. Introduction to Nutrition. 3 Hours.
This course serves as an introduction to nutritional concepts and to the interconnections of health, nutrition, weight, and physical activity. This course is particularly appropriate for students with no science background.

SC 104. Organismal Biology. 3 Hours.
Organismal Biology is an introductory biology course with an integrated lab, intended primarily for non-science majors. This course enables the student to become aware of their role in the complex biological system in which they live. Students will learn about plant biology, animal biology and microbiology in the context of how these organisms have shaped our current state of biodiversity. Since all organisms grow, develop and exist within an environment, topics will include how organisms survive in, and interact with other organisms within their ecological community.

SC 105. Headline Science. 3 Hours.
This course explores various contemporary issues in science using an integrative and societal approach. Students will study the topics from a biological, chemical, physical, and environmental perspective, and relate the significance of the scientific matter to their major field of study. This course is intended for non-science majors.

SC 120. Functional Anatomy and Physiology. 3 Hours.
Functional Anatomy and Physiology is a one semester, 3 credit lecture with a separate laboratory course designed to give the non-science major knowledge of the human body and its relationship with the environment. Topics covered include: the chemical basis of life, the anatomy & physiology of all organ systems, growth, development, heredity and biotechnology issues.

SC 131. Human Genetics. 3 Hours.
This course is designed for non-science majors to support the natural interest of most people in those human physical, behavioral, and social characteristics that have a hereditary basis. Lectures, discussions and the solving of simple genetic and statistical problems are used to form a basis for the consideration of current social issues with genetic implications.

SC 134. Introduction to Geology. 3 Hours.
The course, specifically designed for the Environmental Science majors, introduces fundamentals of geology in the environmental context. The issues of local and global environmental changes are placed into a broader perspective of the functioning of the Earth system. Students are introduced into the science of Earth materials: rocks, minerals, soils, and waters and the processes forming them. The internal processes (plate tectonics, earthquakes, volcanoes) and surface processes (streams, flooding, coastal zones, mass movements, glaciers, winds, desertification) are presented from the point of view of their influence on the geologic hazards, and on the distribution of natural resources. The interrelation of geology and human activities is examined in such contexts as waste disposal, air pollution, water contamination, climate change, land degradation, and resource and energy consumption. The format of this course includes one local field trip, lab activities on rocks and minerals identification, and introduction to topographic and geologic maps.

SC 135. Introduction to Meteorology. 3 Hours.
This course provides the student with a basic understanding of weather phenomenon and how weather is predicted. Students will master the terminology of weather prediction; explore the water cycle, and how the sun affects weather. The course will also treat atmospheric circulation, cloud formation and identification and students will learn how to make weather assumptions based on observations of temperature, pressure, humidity, wind direction, and sky cover. Students will also learn how weather data is collected and how forecasters make predictions based on previous and current weather observations.

SC 141. Environmental Science. 3 Hours.
This course is a survey of the important topics in environmental science. Concepts of energy flow and nutrient cycling are explored in the context of human impacts upon these processes. Sources of pollution and their total effect on ecosystem and biosphere function are also explored. Management of material wastes and energy efficiency is an integral theme of the class. This class satisfies the laboratory science requirement with a series on in-class lab experiences and field trips.

SC 142. Conservation and Resource Management. 3 Hours.
This course emphasizes the basic principles of conservation that are applied to utilization and management of natural resources such as soil, water, range lands, forests, wildlife, minerals, and human populations. The study of the interrelationships between living organisms and their environment is known as ecology. This course applies ecological concepts to conservation problems and policies. Prerequisite(s): SC 141.
SC 150. Astronomy of the Solar System. 3 Hours.
This course provides students with Environmental Science job
experiences on and off campus. These experiences range in length
day to month, but are less rigorous and in-depth than traditional
internships. The experience will be composed of time spent with a
professional from an Environmental Science profession while working
in their area of expertise. Areas of concentration include, but are not
limited to: agriculture, compliance, energy systems, environmental
monitoring, land use, natural resources management, policy, research,
and sustainability. The student should have three experiences in
different areas of concentration in order to expose them to a variety
of employment experiences in their first two to three years of the
Environmental Science program, and assisting the student in determining
the focus of the coursework for the last year of their program. Each field
experience must be coordinated through, and approved by, the director(s)
of the Environmental Science program.

SC 151. Conceptual Physics. 3 Hours.
Conceptual Physics is an introductory physics course with an integrated
lab, intended primarily for non-science majors. In this course we will
study motion, mechanics, gravity, heat, electricity, magnetism, optics,
atomic, nuclear and molecular physics, and relativity. We will also
learn about the process by which physicists attempt to understand the
intriguing laws of nature. The course will be taught using a combination
of lectures, classroom demonstrations and laboratory experiments.
Understanding of the fundamental concepts rather than number
 crunching is emphasized in this course and the equations will serve to
refine the concepts and facilitate student’s thinking process. Ultimately,
it is hoped that by taking this course the student will develop a better
appreciation for the natural world.

SC 157. Energy and Society. 3 Hours.
This course examines the basic physical principles underlying various
energy technologies and develops the quantitative skills necessary
to evaluate these technologies. Students present their work in both
written and oral form. The end goal of this course is to help students
become citizens that have the requisite background and communication
skills to intelligently participate in energy policy discussions and
decisions. Topics typically include basic scientific literacy and notation,
introductory physics (such as force, work, energy, power), circuit analysis,
thermodynamics, various energy technologies (fossil fuels, nuclear
power, solar, hydropower, etc.), and placing these technologies in
a broader environmental, social, and economic context. This course
includes an integrated laboratory in order to introduce basic laboratory
skills. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 158. Principles of Gen Chemistry. 3 Hours.
This course explores fundamental quantitative and qualitative principles
of inorganic, organic and biological chemistry and provides a basic
understanding of theoretical and applied aspects of general chemistry.
Topics in inorganic chemistry include measurement, atomic theory and
chemical bonding, chemical reactions and mass relationships, kinetic
time and energy, acids, bases, pH and buffers. Organic chemistry
will provide an overview of the nomenclature, properties and reactivity
of major groups of organic compounds, while biochemistry will focus on the
chemistry of carbohydrates, lipids, proteins, and enzymes. An overview
of biochemical energetics, nucleic acids and protein synthesis is also
included.

SC 159. Chemistry I. 3 Hours.
This introduction to chemistry provides a basic understanding of
theoretical and practical aspects of inorganic chemistry. The course
includes the metric system, chemical elements and symbols, the
structure of the atom, chemical bonds, molecules and compounds, and
chemical reactions.

SC 160. Chemistry II. 3 Hours.
This course is a continuation of Chemistry I. It focuses on organic
chemistry and biochemistry and provides a background for
understanding the chemical mechanisms of health and disease. Organic
chemistry will emphasize the study of carbon, its special properties,
and its compounds. Biochemistry will focus on the chemicals of living
organisms, carbohydrates, lipids, proteins, and nucleic acids. Selected
physiological topics such as energy metabolism, the genetic code, and
protein synthesis are included. Prerequisite(s): SC 181.
SC 191. General Biology I. 3 Hours.
General Biology I focuses on biological principles that are fundamental to all of biology. This course covers the diversity of life and the commonalities of all living things including: molecular structure, cell structure and function, metabolism, cell division, heredity, and genetics. This course will also review the scientific process and the evaluation of scientific information. This course will prepare students for future courses in anatomy and physiology, cell biology, microbiology, biochemistry, genomic biology, and other biological specialties. This course is limited to students in programs requiring this course or are intending to take further biology courses.

SC 192. General Biology II. 3 Hours.
General Biology II is the continuation of a two-semester series in general biology for science majors. This course is designed to provide a thorough introduction to biology and prepare students for further study of evolution and ecology in SC 240. The goal of the course is to emphasize the diversity of species and for students to understand their relationship to, and their place in, the natural world. General Biology II is an introduction to the systematics, anatomy and physiology of the plant and animal kingdoms. This course will examine the structure and function of plant and animal organ systems in the framework of the evolution of adaptations. The course also concludes with an introduction to ecological systems.

SC 199. Topic I. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 202. Science Immersion. 3 Hours.
This course emphasizes conservation by providing students an experiential setting that illuminates various aspects of the precarious balance between people's effect on the environment and the natural order of things. Educational goals focus on the conservation and restoration of our natural heritage so that biodiversity is not depleted.

SC 210. Marine Biology. 3 Hours.
Oceans cover more than 70% of the earth's surface and support all life on the planet. This course follows an ecological approach to consider the adaptations and interactions of plants and animals with their marine habitats, with particular emphasis on the ecosystems and organisms in the Gulf of Maine. Communities discussed include the open ocean, the deep-sea, subtidal and intertidal zones, and estuaries, as well as habitats found exclusively in tropical and polar regions. Prerequisite(s): SC 191 or SC 192.

SC 221. Anatomy and Physiology I. 3 Hours.
This course provides an in-depth understanding of the structures and functions of the human body and its parts. The course begins with the organization of the human body and descriptive terminology relating to various segments of the body. Cellular anatomy and physiology and study of tissues lead to the study of the organ systems. Topics included in the course are skin, the skeletal system, joints, the nervous system, and muscle.

SC 222. Anatomy and Physiology II. 3 Hours.
This course is a continuation of Anatomy and Physiology I. The course will provide a thorough understanding of structure-function relationships down to the molecular level. The semester will cover the special senses, blood, the cardiovascular system, lymphatics, the respiratory system, the digestive system, the urinary system, the endocrine system, and reproduction. Prerequisite(s): SC 221.

SC 224. Research Design. 3 Hours.
This course introduces basic concepts and skills needed for understanding and conducting research in the social, educational and health sciences. Students will receive a basic introduction to the fundamentals of research—what it involves, what types exist, and how to design and conduct such research. Examined are the essential terms and concepts of research necessary for students to critically evaluate research literature, develop solid research questions, and plan simple research projects. Active engagement with the research process will occur through class participation, exercises, literature reviews, development of research questions, and creation of inquiry strategies for answering research questions. Prerequisite(s): MS 132.

SC 234. Nutrition. 3 Hours.
This course examines the basic nutritional principles (biological, chemical and regulatory mechanisms); the changing nutritional requirements throughout the life cycle; the relationship between nutrition and disease; the principles of therapeutic nutrition (diet therapy) and the assessment of nutritional status. Prerequisite(s): SC 180 or SC 181.

SC 240. Ecology. 3 Hours.
This course explores the interaction of biotic and abiotic components in functioning ecosystems. It will examine topics in population distribution and dynamics, major terrestrial and aquatic habitats, community interactions such as competition and predation, nutrient cycling, energy flow, and ecosystem succession. The concurrently run lab will train students in identifying local flora and fauna, as well as collection and analysis of field data. Prerequisite(s): SC 191 and SC 192.

SC 241. Microbiology. 3 Hours.
This course provides a broad understanding of both beneficial and harmful microorganisms and their roles in human welfare. Emphasis is placed on the structure, physiology, and control of human pathogens, particularly bacteria and viruses. The lab provides experience in important techniques of culturing, identifying, and controlling microorganisms. Prerequisite(s): SC 104 and (SC 191 or SC 221).

SC 242. Biotechnology. 3 Hours.
The current explosion in wonder drugs, diagnostic tests and medical treatments has resulted, primarily, from advances in biotechnology. This course will explore the origins and current status of biotechnology and how it is applied in the world or research, product development, medical diagnosis, disease treatment and law enforcement. This course will primarily focus on those areas of biotechnology that pertain to molecular biology and biochemistry. The laboratory portion of this course will expose students to many of the techniques used in molecular biology/ biotechnology laboratories around the world. Prerequisite(s): SC 102 and SC 103.

SC 251. Astronomy. 3 Hours.
This is an introductory course that will describe, develop and create physical models for many of the observable astronomical events in the sky. The topics may include motion in the night sky, the solar system, light, stars, star groups, the origin of the universe, life in the universe, and UFO's.
SC 261. Integrated Physical Science I. 3 Hours.
Integrated Physical Science I is the first course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning career in elementary education. Using physical environment as a theme, principles of chemistry, physics, geology, atmospheric science, and space science are introduced, and reinforced through inquiry-based lab activities and field trips. This first course of the sequence, covers fundamental concepts of chemistry and physics, which include: motion, waves and particles, energy, structure and properties of inorganic and organic matter and their mixtures, interactions of energy and matter, order and equilibrium of physical systems. Prerequisite(s): EH 123 and (MS 111 or MS 141 or MS 180 or MS 181).

SC 262. Integrated Physical Science II. 3 Hours.
Integrated Physical Science II is the second course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning careers in elementary education. Using environment as a theme, principles of physical sciences are introduced and reinforced through inquiry-based lab activities and field trips. The course covers fundamental concepts of geology, atmospheric science, and space science. Prerequisite(s): SC 261.

SC 271. Physics I. 3 Hours.
Physics I is the first course in a two semester general physics sequence. The goal of this course is to introduce the student to the concepts of force and motion, work and energy, fluids and gases, heat and thermodynamics, and periodic motion. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 180 or MS 181.

SC 272. Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 271. Topics include electricity and magnetism, optics, atomic theory, relativity. Quantum mechanics, nuclear physics, and elementary particles. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. Prerequisite(s): SC 271.

SC 283. Soil, Air, and Water Chemistry. 3 Hours.
An understanding of the fundamental chemistry implicit in the environment is important, but students must also be familiar with aspects of mineralogy, oceanography, soil science, sedimentology and microbiology. The course emphasizes natural geochemical processes and how they operate over a variety of scales. Topics range from global issues such as atmospheric pollution and its effect on global warming and ozone destruction to the link between microbiological populations and local and global scale nutrient and chemical cycling. The course is designed to introduce the student to those major systems and cycles in the environment and how materials and energy are cycled in these systems. Prerequisite(s): SC 181 and SC 182 and SL 181 and SL 182.

SC 285. University Physics I. 3 Hours.
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.

SC 286. University Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 181 and SC 285.

SC 291. Cell Biology. 3 Hours.
This course is a detailed exploration of cell structure and function with an emphasis on the cytoplasm and extracellular matrix. Topics in membrane structure, transmembrane transport, vesicle trafficking, cytoskeletal organization, and macromolecular assembly processes are considered. Cell to cell communications and the role of the extracellular matrix in tissue level processes are also explored. Superficial examination is given to the structure and organization of the nucleus, chromosomes and gene expression to prepare students for the companion course entitled Genomic Biology. Prerequisite(s): SC 191.

SC 292. Epidemiology. 3 Hours.
Basic concepts of epidemiology and methods for identification of factors influencing health and disease in human populations. Considerations are centered on physical, biological, psychosocial and cultural factors in relation to infectious and noninfectious diseases; interactions between agent, host, and environmental factors as determinants of health and disease; application of the epidemiologic approach to health services; and retrospective and prospective analysis of morbidity data. Instruction is by lecture, laboratory exercises and seminars.

SC 299. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 312. Adult, Infant, and Child CPR First Aid. 3 Hours.
This is a standard American Heart and American Red Cross course in adult, infant and child emergency care of injuries and CPR. Standard certificate awarded on successful completion of course.

SC 330. Exercise Physiology. 3 Hours.
This course examines changes within the human body due to the effects of acute and chronic exercise. The student is challenged to expand both their knowledge of and appreciation of human physiological reaction, regulation, and adaptation to exercise. Prerequisite(s): SC 111 or SC 120 or SC 222.

SC 332. Physiological Ecology of Animals and Plants. 3 Hours.
This course explores the structural and functional relationships within plants and animals that make them adapted to their environment. This course uses numerous examples to illustrate how plants and animals survive given the constraints of their environment. Examples will be taken from temperate, arctic, alpine, tropical, desert, and aquatic ecosystems. Prerequisite(s): SC 191 and SC 192.

SC 333. Pathophysiology. 3 Hours.
Pathophysiology is the study of abnormal, diseased physiological processes. The course begins with an examination of altered cell functioning, injury and death. The course continues with pathophysiology of the body systems and inability of diseased systems to maintain homeostasis. Also included are topics in inflammation, immunity, neoplasia, and adaptations of the body to stress. Although aging is not considered a disease, some aspects of aging will be discussed. Prerequisite(s): SC 221 and SC 222.
SC 334. Genomic Biology. 3 Hours.
This class will explore the structure of the nucleus, patterns of inheritance (traditional genetics), the molecular mechanisms of biological information management (molecular biology), and the technologies that are used to obtain and use the information contained within genomes (genomic science). The course will trace classical genetics, chromosome maps, the structure of DNA, gene expression and regulation, and the tools of molecular biology and genomic analysis. Prerequisite(s): SC 102 and (SC 180 or SC 181).

SC 351. Oceanography. 3 Hours.
This course examines the physical and biological characteristics of the marine environment. Topics include the origin of earth and its oceans, life in the oceans, the history of oceanography, plate tectonics, the nature of water, ocean circulation, waves, tides, shorelines, and coastal regions. A large portion of the course examines the interrelationships between organisms and the marine environment, mariculture marine pollution, and pollution control.

SC 352. Biochemistry. 3 Hours.
In this offering, the student will be exposed to reductionism in the field of biology. Biochemistry overlaps and articulates with many fields of endeavor. The discipline embraces physiology, pharmacology, enzymatics, nutrition, immunology, structural biology, biotechnology, and molecular biology all at the same time. The course curriculum will focus upon the role of enzymes in guiding metabolic processes and pathways. The student will come to understand the details of biological functioning at these three levels of organization: Metabolism, metabolic pathways, enzymatic mechanisms and kinetics. Prerequisite(s): SC 102 and SC 182.

SC 360. Biomechanics & Kinesiology in Human Performance. 3 Hours.
This course examines the application of anatomical and physiological principles of kinesiology and physical movement. Topics include the scientific study of human movement, analysis of motor skills, and programs of exercise and evaluation of human performance. Prerequisite(s): SC 222 or SC 120.

SC 362. Dynamics of the Earth. 3 Hours.
This course presents the basic concepts of earth science that include a broad and nonquantitative survey at the introductory level of topics in geology, oceanography, meteorology and astronomy. In geology, the topics emphasized are plate tectonics, volcanic activity, mountain building, minerals and rocks, earthquakes, geologic time and earth history. In meteorology, the specific areas include weather elements, weather patterns and storms. The astronomy unit reviews constellations, the moon, the solar system and beyond. Laboratory activities are included to demonstrate concepts. Within each unit human use and manipulation of physical resources is examined from both a scientific and economic perspective.

SC 367. Mathematics and Physics of Sustainable Energy. 3 Hours.
In this course you will examine the basic physical principles behind the generation and consumption of electrical energy. Mathematical skills necessary to quantitatively compare different sustainable energy technologies and associated issues are developed. This course assumes no prior background in physics. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 371. Horticulture. 3 Hours.
This course presents the fundamentals of horticulture including topics such as environmental factors affecting plants, methods of growing plants, pruning, grafting, harvesting and storing, pests and horticulture plants and their control, horticulture for home grounds, and the vegetable garden. Laboratory activities enable students to practice experimental design and planting techniques used in horticulture.

SC 373. Inorganic Chemistry. 3 Hours.
This course is designed to introduce the basic principles and concepts of inorganic chemistry. The course is intended for students who wish to pursue careers in chemistry, biochemistry, pharmacology, or the life sciences. Topics to be covered include: atomic and molecular structure, experimental techniques, bonding in polyatomics, acid/base chemistry, oxidation/reduction, descriptive chemistry of hydrogen and the s, p, d, and f block elements. Prerequisite(s): SC 181 and SC 182 and MS 181.

SC 381. Organic Chemistry I. 3 Hours.
This course comprises the first semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on chemical bonding, stereochemistry, and reaction mechanisms. Chemistry, as one of the exact sciences, requires quantification. Therefore, development of the critical thinking and problem solving strategies, as well as the experimental know-how and laboratory skills are major objectives of the course. Introduction to microscale lab techniques, modern analytical instrumentation, as well as computation technology additionally supports objectives of the course. Prerequisite(s): SC 182.

SC 382. Organic Chemistry II. 3 Hours.
This course comprises the second semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on stereochemistry, modern instrumental methods in identification of organic compounds, energetics, reaction mechanisms, and selected applications in biochemistry. Critical analysis of structure-properties relationships in organic chemistry, and their applications, as well as more advanced know-how (FT-NMR or FT-IR, and UV/Vis spectroscopies) and laboratory skills (applications of semi-empirical molecular computations, and multistep synthetic procedures) are major objectives of this course. Prerequisite(s): SC 381.

SC 383. Junior Science Research Seminar. 3 Hours.
This course introduces students to careers in science, the scientific research process, and research expectations within the biology, health science, chemistry and environmental science majors. The major focus is to develop a senior research proposal on the basis of what is attainable, interesting, and meaningful. Students learn, in detail, both the limits and expectations of undergraduate research in the sciences. Students are introduced to the important role of library resources and the professional literature as they investigate their chosen topic. Students will be expected to write a resume and career goals statement, give an oral presentation on a chosen career field in science, lead a class discussion of a scientific article, and submit a written research proposal that includes a scientific literature review, problem statement or hypothesis, a timeline for completion, and detailed budget for their proposed senior thesis research. Students will also give an oral presentation on their proposed research and evaluate other student’s research proposals. Prerequisite(s): SC 224.

SC 393. Physical Chemistry. 3 Hours.
This course provides an introduction to the methods describing complex physiochemical systems and their responses to external chemical and/ or physical stresses. Classical and modern theories of equilibrium and non-equilibrium thermodynamics, kinetic theory of transport phenomena, as well as quantum and statistical mechanics are introduced and applied to molecular systems and spectroscopy. Biological and biochemical problems are shown how to be formulated and solved by using principles of physical chemistry. Prerequisite(s): MS 132 and MS 181 and SC 182 and SC 272.
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SC 399. Topic/. 1-6 Hour.
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This course explores the application of learning and performance of motor skills. Topics include the scientific study of motor skills and abilities, motor control, attention and memory, motor skill learning, instruction and augmented feedback, and practice conditions. Prerequisite(s): SC 222 or SC 120.

SC 450. Physical Biochemistry. 5 Hours.
This course entails a study of the physical processes involved in living systems including thermodynamics and equilibria, kinetics and transport phenomena, and applications of quantum chemistry and spectroscopy. Prerequisite(s): SC 352 and SL 393 and MS 182 and SC 272.

SC 481. Biological Research & Laboratory Safety I. 3 Hours.
This course serves as the capstone course in the Biology major. Under supervision of the instructor, students are expected to conduct self-directed, individual laboratory or field research in biology. During this course, students will collect and analyze data, and share the results of experiments with classmates in a seminar setting. At the end of the semester, students present the final results of their research in the form of a final oral presentation and written thesis. Prerequisite(s): SC 382 or SC 120.

SC 482. Biological Research & Laboratory Safety II. 3 Hours.
The course serves as the continuation of the capstone course in the Biology major and is necessarily preceded by SC 481. Students who wish to continue with their laboratory or field research may elect to take this course. The emphasis during this semester will be on increasing sample size or elaborating on the research that was started in SC 481. Students will be required to share their final results with the Husson University community and at a regional or national scientific meeting. Students will be encouraged to publish their work in the peer-reviewed literature. Prerequisite(s): SC 481.

SC 490. Environmental Science Research Seminar I. 3 Hours.
Environmental Science is a dynamic, responsive, and applied discipline. In this experiential course, students explore potential careers and research areas in Environmental Science. With individual guidance from course instructors as well as collaborative study, students will develop working résumés, apply for internship positions, and synthesize the primary scientific literature in their field of interest to develop a feasible scientific research proposal. An internship in environmental science with a local, state, or federal agency or a private organization is a required component of this course; students share their internship experience with classmates and the Husson community.

SC 491. Environmental Science Research Seminar II. 3 Hours.
This course serves as the capstone course in the Environmental Science Program. With guidance from course instructors, students conduct individual, self-directed research in their field of interest within the discipline of Environmental Science. During this course, students collect, analyze, and interpret data to complete a final written thesis. Students disseminate the results of their research with classmates and the Husson community in the form of a written and oral presentation. Exceptional students are encouraged to present their research at a local, state or national conference. Prerequisite(s): SC 490.

SC 492. Senior Chemistry Research Seminar. 3 Hours.
This capstone course provides an introduction to research in chemical sciences. In the seminar setting students critically review primary literature sources and design, with help of the instructor, a serious and original research proposal in theoretical or experimental chemistry. Students discuss their ideas and applied methodology with classmates during regular weekly meetings. The approved by instructor research hypotheses are subsequently validated by experiments, field studies, or theoretical calculations. Students report and share the research findings with classmates in the seminar format. The authors of projects of very high quality will be encouraged to present their work at regional chemical conferences. Prerequisite(s): SC 393 and SC 394.

SC 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL Courses

SL 120. Functional Anatomy and Physiology Lab. 1 Hour.
Functional Anatomy and Physiology Lab is a 1 credit lab that students take at the same time as taking the lecture part of the course, SC 120. It is laboratory designed to give the non-science major knowledge of the human body and its relationship with the environment. Topics covered parallel the lecture topics in SC 120 and include: the chemical basis of life, the anatomy & physiology of all organ systems, growth, development, heredity and biotechnology issues.

SL 180. Prin of Gen Chemistry Lab I. 1 Hour.
This is a laboratory class.

SL 181. Chemistry Lab I. 1 Hour.
This is a laboratory class.

SL 182. Chemistry Lab II. 1 Hour.
This is a laboratory class.

SL 191. General Biology Lab I. 1 Hour.
This laboratory course is to be taken concurrently with SC 191. It is designed to reinforce the fundamental biology concepts discussed in lecture as well as introduce students to laboratory procedures and the basics of the scientific method.

SL 192. General Biology Lab II. 1 Hour.
This laboratory course is to be taken concurrently with SC 192. This course is designed to provide hands-on experience with plant and animal diversity, comparative anatomy and physiology, as well as the collection and analysis of lab and field data.
SL 210. Marine Biology Laboratory. 1 Hour.
Marine Biology Laboratory must be taken concurrently with Marine Biology. Laboratory activities focus on the organisms and ecosystems in the Gulf of Maine and include field trips to local marine habitats as well as laboratory investigations of local flora and fauna. Prerequisite(s): SC 191 or SC 192.

SL 221. Anat/Physiology Lab I. 1 Hour.
This is a laboratory class.

SL 222. Anatomy/Physiology Lab II. 1 Hour.
This is a laboratory course. Prerequisite(s): SL 221.

SL 240. Ecology Lab. 1 Hour.
This lab focuses on ecological research principles and is designed to complement and reinforce the topics discussed in SC 240. The labs will include reading primary literature, case-studies, identification of local flora and fauna, and field and laboratory data collection and analysis.

SL 241. Microbiology Lab. 1 Hour.
This is a laboratory class.

SL 242. Biotechnology Lab. 1 Hour.
This is a laboratory class.

SL 271. Physics Lab I. 1 Hour.
This is a laboratory class.

SL 272. Physics Lab II. 1 Hour.
This is a laboratory class.

SL 285. University Physics I (Laboratory). 1 Hour.
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.

SL 286. University Physics II Lab. 1 Hour.
This course continues the development of the basic physical concepts begun in SC285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 181 and (SC 285 or SC 271).

SL 299. Topic/. 0-3 Hours.
This course is intended to provide the opportunity to offer introductory courses in laboratory science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL 381. Organic Chemistry I Lab. 1 Hour.
This is a laboratory class. Prerequisite(s): SL 182.

SL 382. Organic Chemistry II Lab. 1 Hour.
This is a laboratory class. Prerequisite(s): SL 381.

SL 393. Physical Chemistry Lab. 2 Hours.
This course is a hands-on laboratory component of the SC 393, covering topics in kinetics, thermodynamics, transport, and spectroscopy. The laboratory exercises apply physical methods to studies of complex physicochemical phenomena. Computer simulations of molecular properties complement the measurements. Three hours of laboratory per week. Prerequisite(s): SL 182 and SL 272.

SL 394. Analytical Chemistry Lab. 2 Hours.
This course is a hands-on introduction to the fundamental techniques of analytical chemistry. It covers sample treatment and volumetric, gravimetric, electrochemical, chromatographic, and spectroscopic analytical methods. Three hours of laboratory per week are designed to supplement and reinforce the knowledge gained in the SC 394. Prerequisite(s): SL 182.

SL 399. Topic/. 0 Hours.
This course is intended to provide the opportunity to offer 300-level courses in laboratory sciences that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL 499. Topic/. 0-3 Hours.
This course is intended to provide the opportunity to offer advanced courses in laboratory science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

B.S. Biochemistry

General Education Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
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<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
<td>3</td>
</tr>
<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
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<tr>
<td>HE 111</td>
<td>The Husson Experience</td>
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<tr>
<td>MS 180</td>
<td>Precalculus with Trigonometry</td>
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<tr>
<td>MS 181</td>
<td>Calculus with Applications</td>
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<tr>
<td>PH 110</td>
<td>Introduction to Ethics</td>
<td>3</td>
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<tr>
<td>PY 111</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SC 224</td>
<td>Research Design</td>
<td>3</td>
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<tr>
<td>SC 191</td>
<td>General Biology I</td>
<td>4</td>
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<td>&amp; SL 191</td>
<td>and General Biology Lab I</td>
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<tr>
<td>EH (200+) Writing Elective</td>
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<td>Fine Arts Elective</td>
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<tr>
<td>Foreign Culture and Conversation Elective</td>
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<tr>
<td>Global Perspectives Elect.</td>
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<td>Open Elective</td>
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Program Requirements

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<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
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<tr>
<td>MS 182</td>
<td>Calculus II</td>
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<tr>
<td>MS 345</td>
<td>Biostatistics</td>
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<tr>
<td>SC 181</td>
<td>Chemistry I</td>
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<tr>
<td>SC 182</td>
<td>Chemistry II</td>
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<td>and Chemistry Lab II</td>
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<tr>
<td>SC 192</td>
<td>General Biology II</td>
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<td>and General Biology Lab II</td>
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<td>SC 241</td>
<td>Microbiology</td>
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<td>and Microbiology Lab</td>
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<td>SC 285</td>
<td>University Physics I</td>
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<td>and University Physics I (Laboratory)</td>
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<td>and University Physics II Lab</td>
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<td>SC 291</td>
<td>Cell Biology</td>
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<td>SC 334</td>
<td>Genomic Biology</td>
<td>3</td>
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<tr>
<td>SC 352</td>
<td>Biochemistry</td>
<td>3</td>
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SC 381 Organic Chemistry I and Organic Chemistry I Lab 4
& SL 381 Organic Chemistry II and Organic Chemistry II Lab 4
SC 382 Junior Science Research Seminar 3
& SL 382 Organic Chemistry II and Organic Chemistry II Lab 4
SC 383 Physical Biochemistry 5
& SL 393 Advanced Chemistry Lab 2
Economics Elective (200+) 3
SC 450 Biological Research & Laboratory Safety I (OR SC (300+) Upper Level Laboratory Course) 3
& SL 393 Biological Research & Laboratory Safety II (OR SC (300+) Upper Level Laboratory Course) 3
SC (300+) Upper Level Science Elective 6
Total Hours: 125

First Year

Fall | Hours | Spring | Hours
--- | --- | --- | ---
EH 123 | 3 | MS 181 | 4
HE 111 | 1 | PY 111 | 3
MS 180 | 4 | SC 182 & SL 182 | 4
SC 191 & SL 191 | 4 | SC 192 & SL 192 | 4
SC 181 & SL 181 | 4 | EH 124 | 3
| 16 | 18 |

Second Year

Fall | Hours | Spring | Hours
--- | --- | --- | ---
SC 381 & SL 381 | 4 | EH 200 | 3
MS 132 | 3 | Foreign Language Elective | 3
MS 182 | 4 | SC 286 & SL 286 | 4
SC 285 & SL 285 | 4 | SC 382 & SL 382 | 4
| SC 224 | 3
| 15 | 17 |

Third Year

Fall | Hours | Spring | Hours
--- | --- | --- | ---
Open Elective | 3 | SC 241 & SL 241 | 4
EH (200+) Writing Elective | 3 | PH 110 | 3
MS 345 | 3 | Fine Arts Elective | 3
SC 334 | 3 | SC 291 | 3
SC 352 | 3 | SL 393 | 2
SC 383 | 3 | 18 | 15

Fourth Year

Fall | Hours | Spring | Hours
--- | --- | --- | ---
SC 450 | 5 | SC 482 (OR SC (300+) Upper Level Laboratory Course) | 3
SC 481 (OR SC (300+) Upper Level Laboratory Course) | 3 | SC (300+) Upper Level Science Elective | 3
Global Perspectives Elect. | 3 | Open Elective | 3
Economics Elective (200+) | 3 | SC (300+) Upper Level Science Elective | 3
| 14 | 12 |

Total Hours: 125

*** May not be required for degree completion.

**SC Courses**

**SC 101. Introduction to Nutrition. 3 Hours.**
This course serves as an introduction to nutritional concepts and to the interconnections of health, nutrition, weight, and physical activity. This course is particularly appropriate for students with no science background.

**SC 104. Organismal Biology. 3 Hours.**
Organismal Biology is an introductory biology course with an integrated lab, intended primarily for non-science majors. This course enables the student to become aware of their role in the complex biological system in which they live. Students will learn about plant biology, animal biology and microbiology in the context of how these organisms have shaped our current state of biodiversity. Since all organisms grow, develop and subsist within an environment, topics will include how organisms survive in, and interact with other organisms within their ecological community.

**SC 105. Headline Science. 3 Hours.**
This course explores various contemporary issues in science using an integrative and societal approach. Students will study the topics from a biological, chemical, physical, and environmental perspective, and relate the significance of the scientific matter to their major field of study. This course is intended for non-science majors.

**SC 120. Functional Anatomy and Physiology. 3 Hours.**
Functional Anatomy and Physiology is a one semester, 3 credit lecture with a separate laboratory course designed to give the non-science major knowledge of the human body and its relationship with the environment. Topics covered include: the chemical basis of life, the anatomy & physiology of all organ systems, growth, development, heredity and biotechnology issues.

**SC 131. Human Genetics. 3 Hours.**
This course is designed for non-science majors to support the natural interest of most people in those human physical, behavioral, and social characteristics that have a hereditary basis. Lectures, discussions and the solving of simple genetic and statistical problems are used to form a basis for the consideration of current social issues with genetic implications.
SC 134. Introduction to Geology. 3 Hours.
The course, specifically designed for the Environmental Science majors, introduces fundamentals of geology in the environmental context. The issues of local and global environmental changes are placed into a broader perspective of the functioning of the Earth system. Students are introduced into the science of Earth’s materials: rocks, minerals, soils, and waters and the processes forming them. The internal processes (plate tectonics, earthquakes, volcanoes) and surface processes (streams, flooding, coastal zones, mass movements, glaciers, winds, desertification) are presented from the point of view of their influence on the geologic hazards, and on the distribution of natural resources. The interrelation of geology and human activities is examined in such contexts as waste disposal, air pollution, water contamination, climate change, land degradation, and resource and energy consumption. The format of this course includes one local field trip, lab activities on rocks and minerals identification, and introduction to topographic and geologic maps.

SC 135. Introduction to Meteorology. 3 Hours.
This course provides the student with a basic understanding of weather phenomenon and how weather is predicted. Students will master the terminology of weather prediction, explore the water cycle, and how the sun affects weather. The course will also treat atmospheric circulation, cloud formation and identification and students will learn how to make weather assumptions based on observations of temperature, pressure, humidity, wind direction, and sky cover. Students will also learn how weather data is collected and how forecasters make predictions based on previous and current weather observations.

SC 141. Environmental Science. 3 Hours.
This course is a survey of the important topics in environmental science. Concepts of energy flow and nutrient cycling are explored in the context of human impacts upon these processes. Sources of pollution and their total effect on ecosystem and biosphere function are also explored. Management of material wastes and energy efficiency is an integral theme of the class. This class satisfies the laboratory science requirement with a series on in-class lab experiences and field trips.

SC 142. Conservation and Resource Management. 3 Hours.
This course emphasizes the basic principles of conservation that are applied to utilization and management of natural resources such as soil, water, range lands, forests, wildlife, minerals, and human populations. The study of the interrelationships between living organisms and their environment is known as ecology. This course applies ecological concepts to conservation problems and policies. Prerequisite(s): SC 141.

SC 145. Environmental Science Field Experience I. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 146. Environmental Science Field Experience II. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 147. Environmental Science Field Experience III. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 150. Astronomy of the Solar System. 3 Hours.
This is an introductory astronomy course with a virtual observing component that is intended to give the students some basic knowledge about the world in which we live. The primary objective of this class is to help the students understand the solar system. The course will present an overview of the night sky, the constellations, light -telescope and the nature of stars and the galaxies but the emphasis will be on understanding our solar system. The Sun, Earth, Moon, planets and their satellites, asteroids and comets will be studied in some detail. No mathematics or physics background is assumed in this course.

SC 151. Conceptual Physics. 3 Hours.
Conceptual Physics is an introductory physics course with an integrated lab, intended primarily for non-science majors. In this course we will study motion, mechanics, gravity, heat, electricity, magnetism, optics, atomic, nuclear and molecular physics, and relativity. We will also learn about the process by which physicists attempt to understand the intriguing laws of nature. The course will be taught using a combination of lectures, classroom demonstrations and laboratory experiments. Understanding of the fundamental concepts rather than number crunching is emphasized in this course and the equations will serve to refine the concepts and facilitate student’s thinking process. Ultimately, it is hoped that by taking this course the student will develop a better appreciation for the natural world.
SC 167. Energy and Society. 3 Hours.
This course examines the basic physical principles underlying various energy technologies and develops the quantitative skills necessary to evaluate these technologies. Students present their work in both written and oral form. The end goal of this course is to help students become citizens that have the requisite background and communication skills to intelligently participate in energy policy discussions and decisions. Topics typically include basic scientific literacy and notation, introductory physics (such as force, work, energy, power), circuit analysis, thermodynamics, various energy technologies (fossil fuels, nuclear power, solar, hydroelectric, etc.), and placing these technologies in a broader environmental, social, and economic context. This course includes an integrated laboratory in order to introduce basic laboratory skills. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 180. Principles of Gen Chemstry. 3 Hours.
This course explores fundamental quantitative and qualitative principles of inorganic, organic and biological chemistry and provides a basic understanding of theoretical and applied aspects of general chemistry. Topics in inorganic chemistry include measurement, atomic theory and chemical bonding, chemical reactions and mass relationships, kinetic theory and gas laws, acids, bases, pH and buffers. Organic chemistry will provide an overview of the nomenclature, properties and reactivity of major groups of organic compounds, while biochemistry will focus on the chemistry of carbohydrates, lipids, proteins, and enzymes. An overview of biochemical energetics, nucleic acids and protein synthesis is also included.

SC 181. Chemistry I. 3 Hours.
This introduction to chemistry provides a basic understanding of theoretical and practical aspects of inorganic chemistry. The course includes the metric system, chemical elements and symbols, the structure of the atom, chemical bonds, molecules and compounds, and chemical reactions.

SC 182. Chemistry II. 3 Hours.
This course is a continuation of Chemistry I. It focuses on organic chemistry and biochemistry and provides a background for understanding the chemical mechanisms of health and disease. Organic chemistry will emphasize the study of carbon, its special properties, and its compounds. Biochemistry will focus on the chemicals of living organisms, carbohydrates, lipids, proteins, and nucleic acids. Selected physiological topics such as energy metabolism, the genetic code, and protein synthesis are included. Prerequisite(s): SC 181.

SC 191. General Biology I. 3 Hours.
General Biology I focuses on biological principles that are fundamental to all of biology. This course covers the diversity of life and the commonalities of all living things including: molecular structure, cell structure and function, metabolism, cell division, heredity, and genetics. This course will also review the scientific process and the evaluation of scientific information. This course will prepare students for future courses in anatomy and physiology, cell biology, microbiology, biochemistry, genomic biology, and other biological specialties. This course is limited to students in programs requiring this course or are intending to take further biology courses.

SC 192. General Biology II. 3 Hours.
General Biology II is the continuation of a two-semester series in general biology for science majors. This course is designed to provide a thorough introduction to biology and prepare students for further study of evolution and ecology in SC 240. The goal of the course is to emphasize the diversity of species and for students to understand their relationship to, and their place in, the natural world. General Biology II is an introduction to the systematics, anatomy and physiology of the plant and animal kingdoms. This course will examine the structure and function of plant and animal organ systems in the framework of the evolution of adaptations. The course also concludes with an introduction to ecological systems.

SC 199. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 202. Science Immersion. 3 Hours.
This course emphasizes conservation by providing students an experiential setting that illuminates various aspects of the precarious balance between people's effect on the environment and the natural order of things. Educational goals focus on the conservation and restoration of our natural heritage so that biodiversity is not depleted.

SC 210. Marine Biology. 3 Hours.
Oceans cover more than 70% of the earth's surface and support all life on the planet. This course follows an ecological approach to consider the adaptations and interactions of plants and animals with their marine habitats, with particular emphasis on the ecosystems and organisms in the Gulf of Maine. Communities discussed include the open ocean, the deep-sea, subtidal and intertidal zones, and estuaries, as well as habitats found exclusively in tropical and polar regions. Prerequisite(s): SC 191 or SC 192.

SC 221. Anatomy and Physiology I. 3 Hours.
This course provides an in-depth understanding of the structures and functions of the human body and its parts. The course begins with the organization of the human body and descriptive terminology relating to various segments of the body. Cellular anatomy and physiology and study of tissues lead to the study of the organ systems. Topics included in the course are skin, the skeletal system, joints, the nervous system, and muscle.

SC 222. Anatomy and Physiology II. 3 Hours.
This course is a continuation of Anatomy and Physiology I. The course will provide a thorough understanding of structure-function relationships down to the molecular level. The semester will cover the special senses, blood, the cardiovascular system, lymphatics, the respiratory system, the digestive system, the urinary system, the endocrine system, and reproduction. Prerequisite(s): SC 221.

SC 224. Research Design. 3 Hours.
This course introduces basic concepts and skills needed for understanding and conducting research in the social, educational and health sciences. Students will receive a basic introduction to the fundamentals of research—what it involves, what types exist, and how to design and conduct such research. Examined are the essential terms and concepts of research necessary for students to critically evaluate research literature, develop solid research questions, and plan simple research projects. Active engagement with the research process will occur through class participation, exercises, literature reviews, development of research questions, and creation of inquiry strategies for answering research questions. Prerequisite(s): MS 132.
SC 234. Nutrition. 3 Hours.
This course examines the basic nutritional principles (biological, chemical and regulatory mechanisms); the changing nutritional requirements throughout the life cycle; the relationship between nutrition and disease; the principles of therapeutic nutrition (diet therapy) and the assessment of nutritional status. Prerequisite(s): SC 180 or SC 181.

SC 240. Ecology. 3 Hours.
This course explores the interaction of biotic and abiotic components in functioning ecosystems. It will examine topics in population distribution and dynamics, major terrestrial and aquatic habitats, community interactions such as competition and predation, nutrient cycling, energy flow, and ecosystem succession. The concurrently run lab will train students in identifying local flora and fauna, as well as collection and analysis of field data. Prerequisite(s): SC 191 and SC 192.

SC 241. Microbiology. 3 Hours.
This course provides a broad understanding of both beneficial and harmful microorganisms and their roles in human welfare. Emphasis is placed on the structure, physiology, and control of human pathogens, particularly bacteria and viruses. The lab provides experience in important techniques of culturing, identifying, and controlling microorganisms. Prerequisite(s): SC 104 and (SC 191 or SC 221).

SC 242. Biotechnology. 3 Hours.
The current explosion in wonder drugs, diagnostic tests and medical treatments has resulted, primarily, from advances in biotechnology. This course will explore the origins and current status of biotechnology and how it is applied in the world or research, product development, medical diagnosis, disease treatment and law enforcement. This course will primarily focus on those areas of biotechnology that pertain to molecular biology and biochemistry. The laboratory portion of this course will expose students to many of the techniques used in molecular biology/biotechnology laboratories around the world. Prerequisite(s): SC 191 and SC 103.

SC 251. Astronomy. 3 Hours.
This is an introductory course that will describe, develop and create physical models for many of the observable astronomical events in the sky. The topics may include motion in the night sky, the solar system, light, stars, star groups, the origin of the universe, life in the universe, and UFO's.

SC 261. Integrated Physical Science I. 3 Hours.
Integrated Physical Science I is the first course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning career in elementary education. Using physical environment as a theme, principles of chemistry, physics, geology, atmospheric science, and space science are introduced, and reinforced through inquiry-based lab activities and field trips. This first course of the sequence, covers fundamental concepts of chemistry and physics, which include: motion, waves and particles, energy, structure and properties of inorganic and organic matter and their mixtures, interactions of energy and matter, order and equilibrium of physical systems. Prerequisite(s): EH 123 and (MS 111 or MS 141 or MS 180 or MS 181).

SC 262. Integrated Physical Science II. 3 Hours.
Integrated Physical Science II is the second course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning careers in elementary education. Using environment as a theme, principles of physical sciences are introduced and reinforced through inquiry-based lab activities and field trips. The course covers fundamental concepts of geology, atmospheric science, and space science. Prerequisite(s): SC 261.

SC 271. Physics I. 3 Hours.
Physics I is the first course in a two semester general physics sequence. The goal of this course is to introduce the student to the concepts of force and motion, work and energy, fluids and gases, heat and thermodynamics, and periodic motion. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 180 or MS 181.

SC 272. Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 271. Topics include electricity and magnetism, optics, atomic theory, relativity. Quantum mechanics, nuclear physics, and elementary particles. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. Prerequisite(s): SC 271.

SC 283. Soil, Air, and Water Chemistry. 3 Hours.
An understanding of the fundamental chemistry implicit in the environment is important, but students must also be familiar with aspects of mineralogy, oceanography, soil science, sedimentology and microbiology. The course emphasizes natural geochemical processes and how they operate over a variety of scales. Topics range from global issues such as atmospheric pollution and its effect on global warming and ozone destruction to the link between microbiological populations and local and global scale nutrient and chemical cycling. The course is designed to introduce the student to that major systems and cycles in the environment and how materials and energy are cycled in these systems. Prerequisite(s): SC 181 and SC 182 and SL 181 and SL 182.

SC 285. University Physics I. 3 Hours.
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.

SC 286. University Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 181 and SC 285.

SC 291. Cell Biology. 3 Hours.
This course is a detailed exploration of cell structure and function with an emphasis on the cytoplasm and extracellular matrix. Topics in membrane structure, transmembrane transport, vesicle trafficking, cytoskeletal organization, and macromolecular assembly processes are considered. Cell to cell communications and the role of the extracellular matrix in tissue level processes are also explored. Superficial examination is given to the structure and organization of the nucleus, chromosomes and gene expression to prepare students for the companion course entitled Genomic Biology. Prerequisite(s): SC 191.

SC 292. Epidemiology. 3 Hours.
Basic concepts of epidemiology and methods for identification of factors influencing health and disease in human populations. Considerations are centered on physical, biological, psychosocial and cultural factors in relation to infectious and noninfectious diseases; interactions between agent, host, and environmental factors as determinants of health and disease; application of the epidemiologic approach to health services; and retrospective and prospective analysis of morbidity data. Instruction is by lecture, laboratory exercises and seminars.
SC 299. Topic/ 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 312. Adult, Infant, and Child CPR First Aid. 3 Hours.
This is a standard American Heart and American Red Cross course in adult, infant and child emergency care of injuries and CPR. Standard certificate awarded upon successful completion of course.

SC 330. Exercise Physiology. 3 Hours.
This course examines changes within the human body due to the effects of acute and chronic exercise. The student is challenged to expand both their knowledge of and appreciation of human physiological reaction, regulation, and adaptation to exercise. Prerequisite(s): SC 111 or SC 120 or SC 222.

SC 332. Physiological Ecology of Animals and Plants. 3 Hours.
This course explores the structural and functional relationships within plants and animals that make them adapted to their environment. This course uses numerous examples to illustrate how plants and animals survive given the constraints of their environment. Examples will be taken from temperate, arctic, alpine, tropical, desert, and aquatic ecosystems. Prerequisite(s): SC 191 and SC 192.

SC 333. Pathophysiology. 3 Hours.
Pathophysiology is the study of abnormal, diseased physiological processes. The course begins with an examination of altered cell functioning, injury and death. The course continues with pathophysiology of the body systems and inability of diseased systems to maintain homeostasis. Also included are topics in inflammation, immunity, neoplasia, and adaptations of the body to stress. Although aging is not considered a disease, some aspects of aging will be discussed. Prerequisite(s): SC 221 and SC 222.

SC 334. Genomic Biology. 3 Hours.
This class will explore the structure of the nucleus, patterns of inheritance (traditional genetics), the molecular mechanisms of biological information management (molecular biology), and the technologies that are used to obtain and use the information contained within genomes (genomic science). The course will trace classical genetics, chromosome maps, the structure of DNA, gene expression and regulation, and the tools of molecular biology and genomic analysis. Prerequisite(s): SC 221 and SC 180 or SC 181.

SC 351. Oceanography. 3 Hours.
This course examines the physical and biological characteristics of the marine environment. Topics include the origin of earth and its oceans, life in the oceans, the history of oceanography, plate tectonics, the nature of water, ocean circulation, waves, tides, shorelines, and coastal regions. A large portion of the course examines the interrelationships between organisms and the marine environment, mariculture marine pollution, and pollution control.

SC 352. Biochemistry. 3 Hours.
In this offering, the student will be exposed to reductionism in the field of biology. Biochemistry overlaps and articulates with many fields of endeavor. The discipline embraces physiology, pharmacology, enzymatics, nutrition, immunology, structural biology, biotechnology, and molecular biology all at the same time. The course curriculum will focus upon the role of enzymes in guiding metabolic processes and pathways. The student will come to understand the details of biological functioning at these three levels of organization: Metabolism, metabolic pathways, enzymatic mechanisms and kinetics. Prerequisite(s): SC 102 and SC 182.

SC 360. Biomechanics & Kinesiology in Human Performance. 3 Hours.
This course examines the application of anatomical and physiological principles of kinesiology and physical movement. Topics include the scientific study of human movement, analysis of motor skills, and programs of exercise and evaluation of human performance. Prerequisite(s): SC 222 or SC 120.

SC 362. Dynamics of the Earth. 3 Hours.
This course presents the basic concepts of earth science that include a broad and nonquantitative survey at the introductory level of topics in geology, oceanography, meteorology and astronomy. In geology, the topics emphasized are plate tectonics, volcanic activity, mountain building, minerals and rocks, earthquakes, geologic time and earth history. In meteorology, the specific areas include weather elements, weather patterns and storms. The astronomy unit reviews constellations, the moon, the solar system and beyond. Laboratory activities are included to demonstrate concepts. Within each unit human use and manipulation of physical resources is examined from both a scientific and economic perspective.

SC 367. Mathematics and Physics of Sustainable Energy. 3 Hours.
In this course you will examine the basic physical principles behind the generation and consumption of electrical energy. Mathematical skills necessary to quantitatively compare different sustainable energy technologies and associated issues are developed. This course assumes no prior background in physics. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 371. Horticulture. 3 Hours.
This course presents the fundamentals of horticulture including topics such as environmental factors affecting plants, methods of growing plants, pruning, grafting, harvesting and storing, pests and horticulture plants and their control, horticulture for home grounds, and the vegetable garden. Laboratory activities enable students to practice experimental design and planting techniques used in horticulture.

SC 373. Inorganic Chemistry. 3 Hours.
This course is designed to introduce the basic principles and concepts of inorganic chemistry. The course is intended for students who wish to pursue careers in chemistry, biochemistry, pharmacology, or the life sciences. Topics to be covered include: atomic and molecular structure, experimental techniques, bonding in polyatomics, acid/base chemistry, oxidation/reduction, descriptive chemistry of hydrogen and the s, p, d, and f block elements. Prerequisite(s): SC 181 and SC 182 and MS 181.

SC 381. Organic Chemistry I. 3 Hours.
This course comprises the first semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on chemical bonding, stereochemistry, and reaction mechanisms. Chemistry, as one of the exact sciences, requires quantification. Therefore, development of the critical thinking and problem solving strategies, as well as the experimental know-how and laboratory skills are major objectives of the course. Introduction to microscale lab techniques, modern analytical instrumentation, as well as computation technology additionally supports objectives of the course. Prerequisite(s): SC 182.
SC 382. Organic Chemistry II. 3 Hours.
This course comprises the second semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on stereochemistry, modern instrumental methods in identification of organic compounds, energetics, reaction mechanisms, and selected applications in biochemistry. Critical analysis of structure-properties’ relationships in organic chemistry, and their applications, as well as more advanced know-how (FT-NMR or FT-IR, and UV/Vis spectroscopies) and laboratory skills (applications of semi-empirical molecular computations, and multistep synthetic procedures) are major objectives of this course. Prerequisite(s): SC 381.

SC 383. Junior Science Research Seminar. 3 Hours.
This course introduces students to careers in science, the scientific research process, and research expectations within the biology, health science, chemistry and environmental science majors. The major focus is to develop a senior research proposal on the basis of what is attainable, interesting, and meaningful. Students learn, in detail, both the limits and expectations of undergraduate research in the sciences. Students are introduced to the important role of library resources and the professional literature as they investigate their chosen topic. Students will be expected to write a resume and career goals statement, give an oral presentation on a chosen career field in science, lead a class discussion of a scientific article, and submit a written research proposal that includes a scientific literature review, problem statement or hypothesis, a timeline for completion, and detailed budget for their proposed senior thesis research. Students will also give an oral presentation on their proposed research and evaluate other student’s research proposals. Prerequisite(s): SC 224.

SC 393. Physical Chemistry. 3 Hours.
This course provides an introduction to the methods describing complex physiochemical systems and their responses to external chemical and/or physical stresses. Classical and modern theories of equilibrium and non-equilibrium thermodynamics, kinetic theory of transport phenomena, as well as quantum and statistical mechanics are introduced and applied to molecular systems and spectroscopy. Biological and biochemical problems are shown how to be formulated and solved by using principles of physical chemistry. Prerequisite(s): MS 132 and MS 181 and SC 182 and SC 272.

SC 394. Analytical Chemistry. 3 Hours.
This course is an introduction to the fundamentals of analytical chemistry. It covers sample treatment, statistical analysis of data, measurement errors, and applications of chemical equilibrium, kinetics, transport, light scattering, emission, and absorption to chemical analysis. The following analytical methods are studied: Volumetric, gravimetric, electrochemical, chromatography, and spectroscopy. The course includes lab. Prerequisite(s): MS 132 and (MS 180 or MS 181) and SC 382 and SL 382.

SC 399. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 410. Motor Learning in Human Performance. 3 Hours.
This course explores the application of learning and performance of motor skills. Topics include the scientific study of motor skills and abilities, motor control, attention and memory, motor skill learning, instruction and augmented feedback, and practice conditions. Prerequisite(s): SC 222 or SC 120.

SC 450. Physical Biochemistry. 5 Hours.
This course entails a study of the physical processes involved in living systems including thermodynamics and equilibria, kinetics and transport phenomena, and applications of quantum chemistry and spectroscopy. Prerequisite(s): SC 352 and SL 393 and MS 182 and SC 272.

SC 481. Biological Research & Laboratory Safety I. 3 Hours.
This course serves as the capstone course in the Biology major. Under supervision of the instructor, students are expected to conduct self-directed, individual laboratory or field research in biology. During this course, students will collect and analyze data, and share the results of experiments with classmates in a seminar setting. At the end of the semester, students present the final results of their research in the form of a final oral presentation and written thesis. Prerequisite(s): SC 383.

SC 482. Biological Research & Laboratory Safety II. 3 Hours.
The course serves as the continuation of the capstone course in the Biology major and is necessarily preceded by SC 481. Students who wish to continue with their laboratory or field research may elect to take this course. The emphasis during this semester will be on increasing sample size or elaborating on the research that was started in SC 481. Students will be required to share their final results with the Husson University community and at a regional or national scientific meeting. Students will be encouraged to publish their work in the peer-reviewed literature. Prerequisite(s): SC 481.

SC 490. Environmental Science Research Seminar I. 3 Hours.
Environmental Science is a dynamic, responsive, and applied discipline. In this experiential course, students explore potential careers and research areas in Environmental Science. With individual guidance from course instructors as well as collaborative study, students will develop working résumés, apply for internship positions, and synthesize the primary scientific literature in their field of interest to develop a feasible scientific research proposal. An internship in environmental science with a local, state, or federal agency or a private organization is a required component of this course; students share their internship experience with classmates and the Husson community.

SC 491. Environmental Science Research Seminar II. 3 Hours.
This course serves as the capstone course in the Environmental Science Program. With guidance from course instructors, students conduct individual, self-directed research in their field of interest within the discipline of Environmental Science. During this course, students collect, analyze, and interpret data to complete a final written thesis. Students disseminate the results of their research with classmates and the Husson community in the form of a written and oral presentation. Exceptional students are encouraged to present their research at a local, state or national conference. Prerequisite(s): SC 490.

SC 492. Senior Chemistry Research Seminar. 3 Hours.
In this experiential course, students explore potential careers and research areas in Environmental Science. With individual guidance from course instructors as well as collaborative study, students will develop working résumés, apply for internship positions, and synthesize the primary scientific literature in their field of interest to develop a feasible scientific research proposal. An internship in environmental science with a local, state, or federal agency or a private organization is a required component of this course; students share their internship experience with classmates and the Husson community.

SC 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 500. Senior Chemistry Research Seminar. 3 Hours.
This capstone course provides an introduction to research in chemical sciences. In the seminar setting students critically review primary literature sources and design, with help of the instructor, a serious and original research proposal in theoretical or experimental chemistry. Students discuss their ideas and applied methodology with classmates during regular weekly meetings. The approved by instructor research hypotheses are subsequently validated by experiments, field studies, or theoretical calculations. Students report and share the research findings with classmates in the seminar format. The authors of projects of very high quality will be encouraged to present their work at regional chemical conferences. Prerequisite(s): SC 393 and SC 394.
SC 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL Courses

SL 120. Functional Anatomy and Physiology Lab I. 1 Hour.
Functional Anatomy and Physiology Lab is a 1 credit lab that students take at the same time as taking the lecture part of the course, SC 120. It is laboratory designed to give the non-science major knowledge of the human body and its relationship with the environment. Topics covered parallel the lecture topics in SC 120 and include: the chemical basis of life, the anatomy & physiology of all organ systems, growth, development, heredity and biotechnology issues.

SL 180. Prin of Gen Chemistry Lab I. 1 Hour.
This is a laboratory class.

SL 181. Chemistry Lab I. 1 Hour.
This is a laboratory class.

SL 182. Chemistry Lab II. 1 Hour.
This is a laboratory class.

SL 191. General Biology Lab I. 1 Hour.
This laboratory course is to be taken concurrently with SC 191. It is designed to reinforce the fundamental biology concepts discussed in lecture as well as introduce students to laboratory procedures and the basics of the scientific method.

SL 192. General Biology Lab II. 1 Hour.
This laboratory course is to be taken concurrently with SC 192. This course is designed to provide hands-on experience with plant and animal diversity, comparative anatomy and physiology, as well as the collection and analysis of lab and field data.

SL 210. Marine Biology Laboratory. 1 Hour.
Marine Biology Laboratory must be taken concurrently with Marine Biology. Laboratory activities focus on the organisms and ecosystems in the Gulf of Maine and include field trips to local marine habitats as well as laboratory investigations of local flora and fauna. Prerequisite(s): SC 191 or SC 192.

SL 221. Anat/Physiology Lab I. 1 Hour.
This is a laboratory class.

SL 222. Anatomy/Physiology Lab II. 1 Hour.
This is a laboratory course. Prerequisite(s): SL 221.

SL 240. Ecology Lab. 1 Hour.
This lab focuses on ecological research principles and is designed to complement and reinforce the topics discussed in SC 240. The labs will include reading primary literature, case-studies, identification of local flora and fauna, and field and laboratory data collection and analysis.

SL 241. Microbiology Lab. 1 Hour.
This is a laboratory class.

SL 242. Biotechnology Lab. 1 Hour.
This is a laboratory class.

SL 271. Physics Lab I. 1 Hour.
This is a laboratory class.

SL 272. Physics Lab II. 1 Hour.
This is a laboratory class.

SL 285. University Physics I (Laboratory). 1 Hour.
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.

SL 286. University Physics II Lab. 1 Hour.
This course continues the development of the basic physical concepts begun in SC 285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 181 and SC 285 or SC 271.

SL 299. Topic/. 0-3 Hours.
This course is intended to provide the opportunity to offer introductory courses in laboratory science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL 381. Organic Chemistry I Lab. 1 Hour.
This is a laboratory class. Prerequisite(s): SL 182.

SL 382. Organic Chemistry II Lab. 1 Hour.
This is a laboratory class. Prerequisite(s): SL 381.

SL 393. Physical Chemistry Lab. 2 Hours.
This course is a hands-on laboratory component of the SC 393, covering topics in kinetics, thermodynamics, transport, and spectroscopy. The laboratory exercises apply physical methods to studies of complex physicochemical phenomena. Computer simulations of molecular properties complement the measurements. Three hours of laboratory per week. Prerequisite(s): SL 182 and SL 272.

SL 394. Analytical Chemistry Lab. 2 Hours.
This course is a hands-on introduction to the fundamental techniques of analytical chemistry. It covers sample treatment and volumetric, gravimetric, electrochemical, chromatographic, and spectroscopic analytical methods. Three hours of laboratory per week are designed to supplement and reinforce the knowledge gained in the SC 394. Prerequisite(s): SL 182.

SL 399. Topic/. 0 Hours.
This course is intended to provide the opportunity to offer 300-level courses in laboratory sciences that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL 499. Topic/. 0-3 Hours.
This course is intended to provide the opportunity to offer advanced courses in laboratory science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

Bachelor of Science in Data Analytics

Data analytics is all about problem solving. Students in data analytics use tools from computer science, mathematics, and statistics to collect, organize, and analyze material that explains problems, and then they interpret and communicate what they’ve learned in order to make informed decisions. Applied data analytics engages a wide range of fields such as business and finance, energy, the environment, healthcare, logistics, and security.
The Program

The undergraduate degree in data analytics prepares students to assist a wide variety of employers with the collection and interpretation of information to best serve clients, customers, and the public. Students build upon a foundation in mathematics and statistics to focus on one of three concentrations - biostatistics, computational analytics, or business analytics. Students completing the B.S. degree are prepared to enter professions using data analytics or pursue graduate education in statistics, mathematical modeling, or more advanced analytical techniques.

Courses

MS 093. Core Arithmetic and Algebra. 4 Hours.
Core Arithmetic and Algebra provides a review of necessary concepts and skills required for success in general education college mathematics, and serves as preparation for MS141 Contemporary College Algebra. The course does not count toward the degree. A minimum grade of C is required. Four credit hours.

MS 115. Quantitative Literacy. 3 Hours.
Quantitative Literacy provides a college level experience that focuses on the process of interpreting and reasoning with quantitative information. Students are expected to build on prior understanding of mathematical models and applications, while integrating concepts from logic, algebra, geometry, probability and statistics. Understanding the language of mathematics, developing strategies and interpreting results, are learned via a context driven approach requiring a willingness to think about quantitative issues in new ways. The three credit course meets general education quantitative literacy requirement. Prerequisite(s): MS 111 or MS 242 or MS 141 or MS 180 or MS 181.

MS 131. Logic and Problem Solving. 3 Hours.
This course is designed to develop logical thought processes and to lead to critical forms of reading and thinking. Topics include statement forms and types of statement connectives. Techniques of problem solving are taught.

MS 132. Probability and Statistics. 3 Hours.
This course is an introduction to the theory and application of probability and statistical analysis. Both descriptive and inferential techniques will be studied, with emphasis placed on statistical sampling and hypothesis testing. Also considered will be linear regression, contingency table analysis, and decision-making under uncertainty.

MS 141. Contemporary College Algebra. 4 Hours.
Contemporary College Algebra provides students a college level academic experience that emphasizes the use of algebra and functions in problem solving and modeling, provides a foundation in quantitative literacy, supplies the algebra and other mathematics needed in partner disciplines, and helps meet quantitative needs in, and outside of, academia. Students address problems presented as real world situations by creating and interpreting mathematical models. Solutions to the problems are formulated, validated, and analyzed using mental, paper and pencil, algebraic, and technology-based techniques as appropriate. Four credit hours.

MS 150. History of Mathematics. 3 Hours.
This course introduces students to the development of mathematics from ancient to modern times, with emphasis on methods and techniques of particular times and cultures. The course also explores the connections between mathematics and other types of academic or artistic thought of a specific period, as well as the influence of mathematics on various societies. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

MS 180. Precalculus with Trigonometry. 4 Hours.
This course is intended to prepare students for MS 181 Calculus with Applications as well as providing instruction in trigonometry to support subsequent studies in physics, chemistry, and mathematics. Emphasis is on the analysis of elementary functions and modeling, including polynomial and rational functions, exponential and logarithmic functions, and trigonometric functions. Topics in analytic trigonometry and analytic geometry are also included. Four credit hours.

MS 181. Calculus with Applications. 4 Hours.
This course provides an introduction to single variable calculus and its application. Emphasis is on conceptual understanding of the major ideas of calculus including limits as models of approximation, derivatives as models of change, and integrals as models of accumulation. Concepts are explored by combining, comparing and moving among graphical, numerical, and algebraic representations. This course serves as a prerequisite for MS182 Calculus II. Four credit hours. Prerequisite(s): MS 180.

MS 182. Calculus II. 4 Hours.
This course is a continuation of MS181 Calculus with Applications. Prepares students for subsequent studies in mathematics, science, and business. Topics include concepts and applications of numerical integration, applications of integration, antidifferentiation, function approximation, improper integrals, and infinite series. Emphasis on concepts, complementing symbolic with graphical and numerical points of view. Integrates technology to support pedagogy and computation. Four credit hours. Prerequisite(s): MS 181.

MS 221. Number Theory. 3 Hours.
In this course, students will explore the structure and properties of the integers and some natural generalizations. Topics covered include unique factorization into primes, modular arithmetic, Fermat’s Little Theorem and its applications, and may also include quadratic reciprocity, simple arithmetic functions, diophantine equations, factorization methods, primality testing, and cryptography. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

MS 230. Multivariable Calculus. 4 Hours.
Extends the notions of single-variable calculus to functions of several variables. Includes vector-valued functions, arc length, curvature, partial differentiation, the chain rule, and grad, div, curl, as well as iterated integrals. Prerequisite(s): MS 182.

MS 232. Finite Mathematics. 3 Hours.
In this the student studies the algebraic development of linear and nonlinear equations and inequalities. Topics include math of finance, analytic geometry, linear systems of equations and inequalities, matrix theory, and linear programming. This course is designed as a continuation for those students who have taken Ms 111. Prerequisite(s): (MS 111 or MS 141 or MS 242 or MS 180 or MS 181).

MS 241. Linear Algebra with Applications. 3 Hours.
This course begins with a generalized study of systems of linear equations, developing the notion of vectors and matrices. From these ideas naturally follows the study of vector spaces of dimension three or larger, including bases, eigenvalues, eigenvectors, and matrix representations of linear transformations and change of bases. Applications discussed may include computer graphics, facial recognition, (internet) search optimization, linear programming, cryptography, Leontief economic analysis. Prerequisite(s): MS 181.
MS 250. Introduction to Proof. 3 Hours.
This course provides an introduction to the notion of mathematical proof, including a variety of techniques such as proof by contradiction and proof by mathematical induction. Topics covered typically include elementary logic, set theory, number theory, or abstract algebra, although no background is assumed in any of these areas. Students learn how to write proofs using proper notation, clear and concise language, in part by multiple revisions of their own work and critiques of others’. Prerequisite(s): MS 180.

MS 251. Discrete Mathematics. 3 Hours.
This course introduces abstract mathematical structures used to represent discrete objects, including sets, permutations, relations, graphs, and trees. Emphasis is on mathematical reasoning, combinatorial analysis, and algorithmic thinking. Applications of the material are selected from subject areas ranging from computer science to geography. Prerequisite(s): MS 180.

MS 258. Introduction to Differential Equations with Linear Algebra. 4 Hours.
Differential Equations is the study of how to identify a function from equations involving the derivatives of the function. These types of equations arise naturally in a number of places, among them biological population models, radioactive decay, heat diffusion, motion. A variety of techniques will be explored, such as separation of variables, integrating factors, variation of parameters, undetermined coefficients, and the Laplace transform. This course also includes an introduction to elementary linear algebra. Prerequisite(s): MS 182.

MS 273. Introduction to Cryptography. 3 Hours.
This course introduces students to the rapidly growing field of cryptography, an application of algebra. Cryptography is an indispensable tool for protecting information in computer systems. This course explains the inner workings of cryptographic primitives and their applications. Topics range from classical cryptosystems, some of which are thousands of years old, to the cutting-edge area of quantum cryptography. Relevant topics from number theory will be covered as well. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

MS 299. Topic. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in mathematics that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

MS 332. Applied Statistics. 3 Hours.
This course introduces students to linear regression and statistical modeling. After a brief review of basic statistics concepts, students will study simple linear regression, multiple linear regression, regression diagnostics, transformations, model selection procedures, common difficulties encountered with regression analysis, and other topics as time permits. Statistical software will be used to summarize data sets and build models. Prerequisite(s): MS 132.

MS 345. Biostatistics. 3 Hours.
Biostatistics encompasses the application and use of statistical procedures for the purposes of obtaining a better understanding of variations in data and information on living systems. Students will become familiar with one, or more, statistical software packages which will have descriptive and analytic statistical capabilities as well as report writing capacity. This course will instruct students on how to use and interpret data and information through the application of the principles of statistical inference. Specific diseases and public health issues will be used as examples to illustrate the application and use of biostatistical principles. Prerequisite(s): SC 224 or SC 383.

MS 411. Introduction to Abstract Algebra. 3 Hours.
This is a first course in Abstract Algebra, the language of modern mathematics. This course introduces students to this language through a study of groups, rings, integral domains, and unique factorization domains. Applications of abstract algebra to such fields as physics, chemistry, and computer science will be explored as well. Prerequisite(s): MS 181 and MS 250.

MS 412. Abstract Algebra II. 3 Hours.
This is a second course in Abstract Algebra, focusing on the principles of Galois theory. Topics include fields, algebraic extensions, normal extensions, and further study of groups and rings. Prerequisite(s): MS 411.

MS 421. Introduction to Mathematical Analysis. 3 Hours.
This course formally introduces main concepts in the field of real analysis, the mathematical analysis of functions of a real variable. Although Calculus was discovered independently by Newton and Leibniz in the seventeenth century, the mathematics behind it was not formalized until the nineteenth century. Mathematical analysis formalizes the delta-epsilon definition of limit and related concepts, including limits which are used in calculus to define derivatives and integrals, thus making precise the mathematics behind the calculus. Prerequisite(s): MS 182.

MS 430. Introduction to Probability and its Applications. 3 Hours.
This course is designed to provide a strong basis in probability for students who may go on to deeper studies of statistics, mathematics, engineering, business, or the physical and biological sciences. Topics include foundations of axiomatic probability, conditional probability and independence, discrete and continuous probability distributions, multivariate distributions, and limiting distributions. Applications of the material will be selected from subject areas ranging from epidemiology to securities trading. Prerequisite(s): MS 182.

MS 431. Complex Analysis. 3 Hours.
Functions of complex variables are of surprisingly great importance in numerous branches of pure mathematics. Analysis of such functions is a key tool in the proofs of many theorems concerning seemingly unrelated branches of mathematics, such as the famous Prime Number Theorem regarding the distribution of the prime numbers. Complex Variables also play a crucial role in a number of branches of science, including physics and engineering. This course touches upon the purely mathematical aspects of complex analysis while also applying the concepts to a wide array of real-world problems in the sciences. Prerequisite(s): MS 182 and MS 230.

MS 441. Introduction to Numerical Analysis. 3 Hours.
This course introduces algorithms commonly deployed for solving numerical computation problems formulated in science and engineering. Emphasis is on issues of implementation, including the accuracy, computational efficiency, and stability of each algorithm considered in the course. Topics are chosen from the numerical solution of nonlinear equations, interpolation and polynomial approximation, numerical integration and differentiation, numerical linear algebra, initial and boundary value problems for ordinary differential equations, and least squares approximations. Prerequisite(s): MS 230 and MS 241.

MS 450. Modeling and Simulation. 3 Hours.
This course introduces computer simulation as a research tool through its application to problems from calculus, differential equations, linear algebra, graph theory, dynamical systems, and physics. Prerequisite(s): MS 181 and MS 182 and MS 216.
MS 451. Nonlinear Dynamics. 3 Hours.
This course will add another option for the math minor, and would be an elective in a mathematics major (when/if that major becomes available). Biology and chemistry students would also benefit from this elective as well since many of the equations and models studied are biological or chemical in origin. Prerequisite(s): MS 258.

MS 454. Topology I. 3 Hours.
Sometimes referred to as rubber-sheet geometry, topology is the branch of geometry concerning those properties which remain unchanged by any bending or stretching, as long as there is no cutting or pasting. Topics will include topological spaces, open and closed sets, continuous functions, interior and limit points, boundary, compactness and connectedness. Also, students will learn how to construct new topological spaces from old ones. The course will include a final project involving an introduction to some more advanced concepts. Prerequisite(s): MS 181.

MS 456. Euclidean and non-Euclidean Geometries. 3 Hours.
This course begins with a thorough and rigorous treatment of Euclidean plane geometry, including classical proofs, straightedge and compass constructions, trigonometry, the dot product and the Euclidean Parallel Postulate. The course continues with a study of Elliptical geometry, in which the curvature is positive, and there are no parallel lines, and the angle sum of any triangle is bigger than 180 degrees and Hyperbolic geometry, where there is negative curvature, and there are infinitely many parallel lines through a given point not on a given line. Other examples considered include crochet, tessellations and the art work of the famous artist M.C. Escher, the film Flatland and Professor Thomas Banchoff’s film on the Hyper-Cube. The course concludes with a discussion of possible implications and generalizations including the geometry of other kinds of surfaces such as the torus. Prerequisite(s): MS 181.

MS 499. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer advanced courses in mathematics that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

Courses

EH 080. Reading and Vocabulary for International Students. 3 Hours.
Reading & Vocabulary for International Students: This course develops non-native English speakers’ general reading fluency and their discrete reading knowledge and skills, and teaches them how to explore new vocabulary while developing their knowledge of academic vocabulary. Placement is determined by diagnostic writing and vocabulary tests. The course does not count towards the degree. A minimum grade of C is required.

EH 081. Writing I for International Students. 3 Hours.
Writing I for International Students: This course develops the general English writing skills of non-native English speakers who may not be ready for full-time university coursework in their major fields of study through the practice of general and academic English writing "genres" and an exploration of the writing process. Placement is determined by diagnostic writing and vocabulary tests. The course does not count towards the degree. A minimum grade of C is required.

EH 082. Writing II for International Students. 3 Hours.
Writing II for International Students: This course develops the academic English writing skills of non-native English speakers through the practice of specific academic English writing tasks often undertaken at Husson University, an exploration of how to write differently with different audiences and for different purposes, and an analysis of the basic writing conventions of their major fields of study. Placement is determined by diagnostic writing and vocabulary tests or successful completion of EH 080 and EH 081. The course does not count towards the degree. A minimum grade of C is required.

EH 083. Focused Listening for International Students. 3 Hours.
Focused Listening for International Students: This course develops the aural and oral fluency and skills of non-native English speakers who are not yet ready for full-time university coursework in their major fields of study through extensive listening and speaking exercises, an introduction to the types of academic English listening and speaking tasks they will encounter at any university, an exploration of the pragmatics of English and how they differ from their own language pragmatics, and activities related to the different ways that English is pronounced in the many places it is spoken. Placement is determined by diagnostic listening and speaking tests. The course does not count towards the degree. A minimum grade of C is required.

EH 084. Oral Communication I for International Students. 3 Hours.
Oral Communication I for International Students: This course develops the academic English listening and speaking skills of non-native English speakers who may not be ready for full-time university coursework in their major fields of study through the practice of realistic academic English listening and speaking tasks, the investigation of how spoken English is used differently with different audiences and for different purposes, and an exploration of the effective use of English to navigate the institution. Placement is determined by diagnostic listening and speaking tests. The course does not count towards the degree. A minimum grade of C is required.

Programs in English

Features of the Program
The Bachelor of Science in English enables the student to develop exceptional written and oral communication skills, provides personal and professional information age skills, prepares students for various fields of graduate study and provides a coherent sequence of courses complementary to a number of existing Husson degree programs. A bachelor’s degree in English prepares modern learners for such careers as advertising/journalism, corporate communications, public relations/marketing, research, professional and technical writing and teaching.

Requirements for English Majors
Students must earn an overall 2.0 cumulative grade-point average as well as a 2.5 in Eh prefix courses. Transfer students must complete a minimum of 15 credit hours in English at Husson to be eligible for graduation.
EH 085. Oral Communication II for International Students. 3 Hours.
Oral Communication II for International Students: This course prepares non-native English speakers for the rigors of university coursework through the study and practice of relevant academic English listening and speaking tasks, guides them through an exploration of "World Englishes" and how to use them or not with different audiences and for different purposes, and improves their understanding of the pragmatics of advanced conversational English. Placement is determined by diagnostic testing and speaking tests or successful completion of EH 083 and EH 084. The course does not count towards the degree. A minimum grade of C is required.

EH 086. Modular ESL (English as a Second Language). 1-6 Hour.
Modular ESL is a one-to-six credit course which prepares non-native English speakers for success at Husson University through the completion of assignments in some or all of six different areas of Academic English: Oral & Aural English, Reading & Writing, Grammar, Vocabulary, Language Pragmatics, and Academic Thinking. The number of credits a student must take is determined by writing, vocabulary, listening, and speaking tests. One credit-hour is equivalent to 40 unit-hours of independent study, work with the teacher, and occasional collaborative in-class work. These tests are also used to determine what portion of the unit hours must be spent on assignments in each of the six areas of study and which specific assignments may be required. The course does not count towards the degree. A minimum grade of C is required.

EH 091. Writing Workshop. 3 Hours.
In this course students practice a variety of writing strategies and sentence-level skills in a workshop atmosphere that prepares them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling and document format are among the topics covered in preparation for academic writing. Connections between reading and writing are emphasized. Placement is determined by a diagnostic writing sample. The course does not count toward the degree. A minimum grade of C is required.

EH 091L. English Writing Workshop Lab. 1 Hour.
This course is a writing workshop lab that is required for all students taking a developmental section of EH 123. The lab is structured using the studio model. This model provides a "third space" where students can explore, in more detail, the skills required to complete the standard EH 123 curriculum and, more importantly, the expectations of "college-level writing," which includes not only specific writing abilities but also the "habits of mind" that allow students to use writing as a means of solving unforeseen problems. This lab is also connected to the writing center, which provides tutoring opportunities for students enrolled in the writing lab.

EH 092. Writing Workshop for International Students. 3 Hours.
In this course students for whom English is a second language practice a variety of writing strategies and sentence-level skills in a workshop atmosphere that prepares them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling, and document format are among topics covered in preparation for academic writing. Connections between reading and writing are emphasized. Placement is determined by a diagnostic writing sample. The course does not count toward the degree. A minimum grade of C is required.

EH 093. Academic English for International Students. 3 Hours.
This course is designed for students for whom English is a second language. Placement is determined by diagnostic written and oral evaluation. Students will practice a variety of writing strategies and sentence-level skills in a workshop atmosphere to prepare them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling, and document format are among topics covered. Connections between reading and writing are emphasized. Development of academic vocabulary will be stressed. Listening and note-taking strategies will be practiced. Both linguistic and cultural aspects of oral classroom participation will be taught.

EH 094. Advanced English Workshop for International Students. 3 Hours.
This course is a more advanced continuation of EH 092, emphasizing additional development of vocabulary, writing and oral participation in the American academic environment. Placement is determined by diagnostic assessment. Students whose English skills warrant it may be placed directly into this class and bypass EH 092.

EH 103. Rhetoric and Composition I Studio. 1 Hour.
A supplement to Rhetoric and Composition I (EH 123), this course is required for students placed as basic writers and optional for all other students. Placed students must pass both this course and Rhetoric and Composition I in order to move on to Rhetoric and Composition II (EH 124). Class meets once a week. Class size is limited to eight. Curriculum is coordinated with EH 123 instructor and tailored to the needs of students. Pass-Fail only. (Note: credit does not apply toward graduation.).

EH 104. Rhetoric and Composition II Studio. 1 Hour.
A supplement to Rhetoric and Composition II (EH 124), this course is required for students placed as basic writers and optional for all other students. Placed students must pass both this course and Rhetoric and Composition II. Class meets once a week. Class size is limited to eight. Curriculum is coordinated with EH 124 instructor and tailored to the needs of students. Pass-Fail only. (Note: credit does not apply toward graduation.). Prerequisite(s): EH 123 and EH 103.

EH 123. Rhetoric and Composition I. 3 Hours.
This course teaches techniques for effective oral and written communication. In a workshop environment that features continual instructor and peer evaluation, students develop a process approach to writing and speaking. Students will write in a variety of genres and will reinforce rhetorical strategies pertaining to audience awareness while practicing oral delivery skills. A grade of C or better is required to pass the course.

EH 124. Rhetoric and Composition II. 3 Hours.
This course teaches techniques for effective oral and written communication. In a workshop environment that features continual instructor and peer evaluation, students develop a process approach to writing and speaking. Logical argumentation, academic conventions, and research-related skills are the primary focus. Public speeches are based on written assignments that incorporate various source materials. As students explore connections between the written and spoken word, the significance of nonverbal language and listening skills are emphasized. A grade of C or better is required to pass the course. Prerequisite(s): EH 123 or EH 111.

EH 199. Topic/. 1 Hour.
This course is intended to provide the opportunity to offer introductory courses in English that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.
EH 200. Approaches to Literature. 3 Hours.
Introduces students to the study of literature and the fundamental of literary research. Students explore fiction, poetry, and drama from both the western and non-western worlds. The creative process is explored through reading, discussion, research and writing. Additionally, the key themes of power, identity, justice and adaptation and explored in relation literature. Prerequisite(s): (EH 123 and EH 124) or EH 111.

EH 229. Introduction to Poetry. 3 Hours.
This course provides a critical exploration into the sound and sense of verse in English, from its traditional forms (e.g. the sonnet, villanelle and sestina) to more recent styles (e.g. free verse, experimental and avant garde poetry). Special attention to the devices of meter, rhyme, rhetoric and wordplay will enhance students' understanding of the complementary relationship between poetic content (what a poem says) and form (how it is said). Prerequisite(s): EH 200 or EH 112.

EH 230. Introduction to the Short Story. 3 Hours.
This course introduces students to the narrative methods and storytelling strategies that define short fiction. Readings include short stories by traditional and contemporary writers from diverse national and cultural backgrounds. Attention will be given to individual stories and their function in the broader context of entire collections of short fiction. Prerequisite(s): EH 200.

EH 232. Intro to Drama/Play Production. 3 Hours.
This course examines dramatic writing and performance as a vehicle of cultural communication from the ancient world to the present day. Topics studied include forms and definitions of drama, history of play production, staging and criticism. Prerequisite(s): EH 200.

EH 233. Introduction to the Novel. 3 Hours.
This course provides a study of the novel, including its aesthetic development, critical reception, and social function, from its origins in the eighteenth-century to its contemporary practitioners. Specific topics and texts may vary according to instructor and student preference and may include Bradford, Bradstreet, Edwards, Hawthorne, Emerson, Melville, Thoreau and Douglas. Prerequisite(s): EH 200.

EH 234. American Literature I. 3 Hours.
This course presents a survey of American writing from the Colonial period to the Civil War with focus on the intellectual movements and literary output of Puritanism, Native American literature, Romanticism, the Transcendentalists and slavery narratives. Specific topics and texts may vary according to instructor and student preference and may include such writers as Bradford, Bradstreet, Edwards, Hawthorne, Emerson, Melville, Thoreau and Douglas. Prerequisite(s): EH 200.

EH 235. American Literature II. 3 Hours.
This course presents an overview of American Literature from the end of the Civil War to 1945. It may include authors and works from the Gilded Age, Progressivism, World War I, the Expatriates, the Jazz Age and the Harlem Renaissance. The course studies the role of literature to express and influence social, economic, and cultural realities of the United States. Specific topics and texts vary according to instructor and student preference and may include Twain, Bierce, Dickinson and Whitman. Prerequisite(s): EH 200 or EH 112.

EH 241. British Literature I. 3 Hours.
This course provides a study of canonical authors and works of the British Isles from medieval times to the modern era. Depending on instructor and student preference, texts and authors may include Beowulf, Chaucer, Langland, Malory, Donny, Shakespeare, Milton, Swift, Austen, Wordsworth, the Brontes, Tennyson, Arnold, Conrad and Woolf. Prerequisite(s): EH 200.

EH 242. British Literature II. 3 Hours.
This course surveys British literature from 1660 to the present. It will combine historical, cultural, and linguistic approaches in the study of various literary genres, considering along the way what shapes definitions of language, tradition, nation, and literature. Readings, class discussions, research and writing assignments aim to give students a broad look at a number of canonical writers, intellectual movements, and influential changes that have accompanied the development of British writing since the Restoration. The course is intended for majors and non-majors alike. Prerequisite(s): EH 200.

EH 251. World Literature I. 3 Hours.
This course surveys significant writings in Eastern and Western tradition, from ancient Babylonian civilization to the English Restoration. Selected texts depend on instructor and student interest and may include Gilgamesh, Greco-Roman mythology, Homer's Odyssey, the Old and New Testaments, Indian epic, Dante's Divine Comedy and Japanese haiku. Prerequisite(s): EH 200.

EH 252. World Literature II. 3 Hours.
The second of two world literature surveys, this course concentrates on literary works from the English Restoration to the modern era. The primary goal for the course is to define the role of literature as it occurs through a wide range of social, cultural and geographical contexts. Selected texts depend on student and instructor interest and may include Voltaire, Borges, Mahfouz, Tagore, Mishima, Garcia Marquez and Achebe. Prerequisite(s): EH 200.

EH 275. Creative Writing Workshop. 3 Hours.
This course is an introduction to the writing of creative short fiction, poetry, and personal essay. As students workshop their own writing and offer feedback to the writing of classmates, they are exposed to a variety of writing techniques in all three genres in order to help develop their own writing style and voice. Emphasis is placed on the importance of revision and writing as a process. Prerequisite(s): EH 200.

EH 299. Topic. 3 Hours.
This course is intended to provide the opportunity to offer introductory courses in English that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty. Prerequisite(s): EH 200.

EH 300. Literacies in American Society. 3 Hours.
This course will investigate literacy from a sociocultural and linguistic perspective. Students will be defining and operationalizing the term “literacy” and striving to understand the various types of literacy that currently exist in American society. Furthermore, students will study how being adept in various literacies define group membership and serve as a gateway of access to various levels of American social stratification. Furthermore, beginning with pre-school aged children, students will investigate how literacy and the value of literacy is transmitted culturally and how that transmission weighs heavily on future involvement in literacy events. Prerequisite(s): EH 123 and EH 124.

EH 301. The Modern Novel. 3 Hours.
This course examines the novel as it develops in western and European culture from about 1800 through the present. Students will read approximately eight to ten novels per semester from a variety of cultural and historical periods. Students will become acquainted with the relevant historiographical sources, theory and issues pertaining to the period and write a variety of short papers for this course. Prerequisite(s): EH 112 or EH 200.
EH 302. The Nature of Language. 3 Hours.
This survey course will introduce students to the study of the nature of human language. During the course, students will be exposed to origins of human language, myths about language, language principles, writing systems, phonology/phonetics, morphology, syntax, psycholinguistics, social linguistics, and language and politics, semantics and pragmatics. The goal of this course is to expose the students the complexity of human language. Prerequisite(s): EH 123 and EH 124 and EH 200.

EH 303. Canadian Literature. 3 Hours.
This course will focus on the major thematic concerns that have shaped Canadian literature from the pre-Confederation era to the present day. Literary examples will be drawn from works concerned with ethnicity, colonization, the wilderness, identity formation, and the Francophone/Anglophone divide. Primary attention will be given to texts focusing on the world of work as it has been envisioned by Canadians. Selected poetry and prose from diverse, canonical authors such as Frances Brooke, Susanna Moodie, Isabella Valancy Crawford, Charles Sangster, John Richardson, Joy Kogawa, Alice Munroe, Margaret Atwood, David Adams Richard, and Yann Martel will be examined. Depending on the season, a day trip to King’s Landing – a living museum of Canadian history about three hours from Bangor – could be undertaken. Prerequisite(s): EH 112 or EH 200.

EH 311. Topics in Professional Communication. 3 Hours.
This course builds upon the rhetorical foundation established in EH 123 and EH 124 to introduce students to the skills central to effective professional writing. These skills include an ability to apply composition theory and advanced rhetorical strategies to various professional contexts, such as business, engineering, and professional publishing. In addition, students will learn how to conduct research in a variety of professions, communicating these findings in specific professional genres, which include short stories, poems, novels, business letters, memos, internal and external proposals, analytic reports, and scientific articles. Prerequisite(s): EH 123 or EH 200.

EH 312. Film as Literature. 3 Hours.
This course is intended as an introduction to film studies course. Students will learn to read film by analyzing structure, narrative form, diegetic and non-diegetic elements, mise en scene, generic conventions, motifs, cinematography and editing techniques as they pertain to a given theme followed through a chronological development of film in a given cultural context,(this varies depending upon instructor). The course will stress writing about film through scene analysis papers, journals, and midterm and final essay exams. A formal presentation is also required. Prerequisite(s): EH 123 and EH 124 and EH 200.

EH 320. Literature and Medicine. 3 Hours.
This course approaches ethical, social, and psychological issues in health care through the study of literature. Texts from various genres will frame exploration of the caregiver-patient relationship from alternating perspectives and in diverse social environments, historical contexts, and cultural surroundings. The course emphasizes skills of critical close-reading, research, oral and written argument through class discussion, essays, and presentations. Prerequisite(s): EH 200.

EH 322. Group Leadership and Conference Techniques. 3 Hours.
This course involves experiential learning of leadership, interpersonal communication, and conference activities. Students develop and present individual and group programs based on issues and policies within their degree programs, and/or professional and civic organizations. Prerequisite(s): EH 121 and EH 221.

EH 330. Introduction to Literary and Cultural Theory. 3 Hours.
The goal of this course is to introduce students to the theories upon which advanced literary and cultural analyses are founded. These theories help scholars discover and articulate the role literature plays in our understanding of social associations and cultural tradition, institutions that shape the values and norms through which we define truth and, so, meaning. Prerequisite(s): (EH 123 and EH 124) or College Level=Sophomore.

EH 342. Native American Literatures of North America. 3 Hours.
Students will examine Native American Literatures, including traditional stories, non-fiction, fiction and poetry from authors of different Native American tribes. A variety of themes, including Native American identity and the role literature plays in cultural change, will be covered. Students will investigate these issues through a series of reading journals, two longer response papers, a significant research essay, and two formal presentations. Prerequisite(s): EH 123 and EH 124 and EH 200.

EH 350. The History of the English Language. 3 Hours.
The History of the English Language offers a study of Old, Middle, and Modern English. Furthermore, the course will address how the nature and mechanisms of language change over time, as well as the social, political, and other historical conditions that relate to such changes. The course will also attend to phonology, morphology, syntax, lexicography, and semantics, as well as to the broader cultures of the relevant periods. Prerequisite(s): EH 123 and EH 124.

EH 352. Advanced Writing Internship. 3 Hours.
This course is designed to combine training for writing tutors with practical experience in the Writing Center. Students will study rhetoric and composition theory and explore issues that interfere with successful student writing, both their own and that of others. Acquired knowledge will be applied in both classroom role-playing situations and actual tutorial experiences in the Writing Center. Emphasis will be on preparing students for possible future roles as peer tutors in the Writing Center. Prerequisite(s): EH 112.

EH 360. Writing in the Health Professions. 3 Hours.
Writing in the Health Professions is designed to introduce you to various techniques and methods of communicating within the health professions. The required assignments expose you to the documents you will encounter in your physical therapy, occupational therapy, or other health science courses and careers. Through these assignments, the readings, and class discussions, you will develop the clear and focused writing style required in a technical or scientific context. Prerequisite(s): EH 200.

EH 411. Seminar in Literature. 3 Hours.
This is an upper-level seminar course of variable content determined by current faculty research and student interests. Previous topics include Shakespeare, Virginia Woolf, Twentieth Century Poetry and Literature of Place. Prerequisite(s): EH 200.

EH 453. Major Plays of Shakespeare. 3 Hours.
This course will examine Shakespeare’s major plays. The plays will be examined in context of Shakespeare’s background and English Renaissance thought. Plays covered in this course may vary, and students will examine selections from Shakespeare’s histories, tragedies, romances, and/or comedies. Prerequisite(s): EH 200.

EH 499. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer upper level literature courses in English that are not normally included in the ongoing curriculum at Husson University. Topics will depend upon the interests of students and faculty. Prerequisite(s): EH 123 and EH 124 and EH 200.
### B.S. in English

#### General Education Courses

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
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<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
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<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
</tr>
<tr>
<td>HE 111</td>
<td>The Husson Experience ***</td>
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Select one of the following:

- HY 101 | History of Western Civilization | 3
- HY 111 | United States History I         | 3
- HY 211 | American National Government    | 3

Select one of the following:

- HY 112 | United States History II         | 3
- HY 221 | United States Social History     | 3

Select one of the following:

- HY 341  | International Relations          | 3

Global Perspectives Elective

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<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
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<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
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<tr>
<td>PH 100</td>
<td>Introduction to Philosophy</td>
<td>3</td>
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<td>PH 110</td>
<td>Introduction to Ethics</td>
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<tr>
<td>PY 111</td>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>SY 222</td>
<td>Cultural Anthropology</td>
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Communications Elective

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<td>Fine Arts Electives</td>
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<tr>
<td>Foreign Culture/Conversation Elective</td>
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<tr>
<td>Lab Science Elective</td>
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<td>Open Electives</td>
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Co-curricular activity and/or community service

#### Professional Courses

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<th>Course Title</th>
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<td>The History of the English Language</td>
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</tr>
<tr>
<td>EH 352</td>
<td>Advanced Writing Internship</td>
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</tr>
<tr>
<td>EH 411</td>
<td>Seminar in Literature</td>
<td>3</td>
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</table>

Select one of the following:

- EH 234  | American Literature I                      | 3
- EH 241  | British Literature I                       | 3
- EH 251  | World Literature I                         | 3

Select one of the following:

- EH 235  | American Literature II                     | 3
- EH 242  | British Literature II                      | 3
- EH 252  | World Literature II                        | 3

EH Survey Course 200+ | 3

Select one of the following:

- EH 275  | Creative Writing Workshop                  | 3
- EH Writing Elective |                                | 3

Select one of the following:

- EH 230  | Introduction to the Short Story            | 3
- EH 233  | Introduction to the Novel                  | 3
- EH 229  | Introduction to Poetry                     | 3

Select one of the following:

- EH 303  | Canadian Literature                         | 3

Select one of the following:

- EH 342  | Native American Literatures of North America | 3
- EH 301  | The Modern Novel                            | 3

EH Upper Level Literature

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<tr>
<td>EH Lit. &amp; Culture Theory Survey</td>
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Total Hours 122

#### Suggested Course Sequence

##### First Year

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<th>Term</th>
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<tr>
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<td>HY 221</td>
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<td>HY 341</td>
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<td>Communications Elective</td>
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<td>Foreign Culture and Conversation Elective</td>
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##### Second Year

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##### Third Year

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##### Fourth Year

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English Elective  
Open Elective  
EH 301 (OR Upper Level Literature Elective)  

Total Hours: 122

*** Credit may not be required for degree completion.

Courses

**EH 080. Reading and Vocabulary for International Students. 3 Hours.**
Reading & Vocabulary for International Students: This course develops non-native English speakers' general reading fluency and their discrete reading knowledge and skills, and teaches them how to explore new vocabulary while developing their knowledge of academic vocabulary. Placement is determined by diagnostic writing and vocabulary tests. The course does not count toward the degree. A minimum grade of C is required.

EH 081. Writing I for International Students. 3 Hours.
Writing I for International Students: This course develops the general English writing skills of non-native English speakers who may not be ready for full-time university coursework in their major fields of study through the practice of general and academic English writing "genres" and an exploration of the writing process. Placement is determined by diagnostic writing and vocabulary tests. The course does not count toward the degree. A minimum grade of C is required.

**EH 082. Writing II for International Students. 3 Hours.**
Writing II for International Students: This course develops the academic English writing skills of non-native English speakers through the practice of specific academic English writing tasks often undertaken at Husson University, an exploration of how to write differently with different audiences and for different purposes, and an analysis of the basic writing conventions of their major fields of study. Placement is determined by diagnostic writing and vocabulary tests or successful completion of EH 080 and EH 081. The course does not count toward the degree. A minimum grade of C is required.

**EH 083. Focused Listening for International Students. 3 Hours.**
Focused Listening for International Students: This course develops the aural and oral fluency and skills of non-native English speakers who are not yet ready for full-time university coursework in their major fields of study through extensive listening and speaking exercises, an introduction to the types of academic English listening and speaking tasks they will encounter at any university, an exploration of the pragmatics of English and how they differ from their own language pragmatics, and activities related to the different ways that English is pronounced in the many places it is spoken. Placement is determined by diagnostic listening and speaking tests. The course does not count toward the degree. A minimum grade of C is required.

**EH 084. Oral Communication I for International Students. 3 Hours.**
Oral Communication I for International Students: This course develops the academic English listening and speaking skills of non-native English speakers who may not be ready for full-time university coursework in their major fields of study through the practice of realistic academic English listening and speaking tasks, the investigation of how spoken English is used differently with different audiences and for different purposes, and an exploration of the effective use of English to navigate the institution. Placement is determined by diagnostic listening and speaking tests. The course does not count toward the degree. A minimum grade of C is required.

**EH 085. Oral Communication II for International Students. 3 Hours.**
Oral Communication II for International Students: This course prepares non-native English speakers for the rigors of university coursework through the study and practice of relevant academic English listening and speaking tasks, guides them through an exploration of "World Englishes" and how to use them or not with different audiences and for different purposes, and improves their understanding of the pragmatics of advanced conversational English. Placement is determined by diagnostic listening and speaking tests or successful completion of EH 083 and EH 084. The course does not count toward the degree. A minimum grade of C is required.

**EH 086. Modular ESL (English as a Second Language). 1-6 Hour.**
Modular ESL is a one-to-six credit course which prepares non-native English speakers for success at Husson University through the completion of assignments in some or all of six different areas of Academic English: Oral & Aural English, Reading & Writing, Grammar, Vocabulary, Language Pragmatics, and Academic Thinking. The number of credits a student must take is determined by writing, vocabulary, listening, and speaking tests. One credit-hour is equivalent to 40 unit-hours of independent study, work with the teacher, and occasional collaborative in-class work. These tests are also used to determine what portion of the unit hours must be spent on assignments in each of the six areas of study and which specific assignments may be required. The course does not count toward the degree. A minimum grade of C is required.

**EH 091. Writing Workshop. 3 Hours.**
In this course students practice a variety of writing strategies and sentence-level skills in a workshop atmosphere that prepares them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling and document format are among the topics covered in preparation for academic writing. Connections between reading and writing are emphasized. Placement is determined by a diagnostic writing sample. The course does not count toward the degree. A minimum grade of C is required.

**EH 091L. English Writing Workshop Lab. 1 Hour.**
This course is a writing workshop lab that is required for all students taking a developmental section of EH 123. The lab is structured using the studio model. This model provides a "third space" where students can explore, in more detail, the skills required to complete the standard EH 123 curriculum and, more importantly, the expectations of "college-level writing," which includes not only specific writing abilities but also the "habits of mind" that allow students to use writing as a means of solving unforeseen problems. This lab is also connected to the writing center, which provides tutoring opportunities for students enrolled in the writing lab.
EH 092. Writing Workshop for International Students. 3 Hours.
In this course students for whom English is a second language practice a variety of writing strategies and sentence-level skills in a workshop atmosphere that prepares them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling, and document format are among topics covered in preparation for academic writing. Connections between reading and writing are emphasized. Placement is determined by a diagnostic writing sample. The course does not count toward the degree. A minimum grade of C is required.

EH 093. Academic English for International Students. 3 Hours.
This course is designed for students for whom English is a second language. Placement is determined by diagnostic written and oral evaluation. Students will practice a variety of writing strategies and sentence-level skills in a workshop atmosphere to prepare them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling, and document format are among topics covered. Connections between reading and writing are emphasized. Development of academic vocabulary will be stressed. Listening and note-taking strategies will be practiced. Both linguistic and cultural aspects of oral classroom participation will be taught.

EH 094. Advanced English Workshop for International Students. 3 Hours.
This course is a more advanced continuation of EH 092, emphasizing additional development of vocabulary, writing and oral participation in the American academic environment. Placement is determined by diagnostic assessment. Students whose English skills warrant it may be placed directly into this class and bypass EH 092.

EH 103. Rhetoric and Composition I Studio. 1 Hour.
A supplement to Rhetoric and Composition I (EH 123), this course is required for students placed as basic writers and optional for all other students. Placed students must pass both this course and Rhetoric and Composition I in order to move on to Rhetoric and Composition II (EH 124). Class meets once a week. Class size is limited to eight. Curriculum is coordinated with EH 123 instructor and tailored to the needs of students. Pass-Fail only. (Note: credit does not apply toward graduation.)

EH 104. Rhetoric and Composition II Studio. 1 Hour.
A supplement to Rhetoric and Composition II (EH 124), this course is required for students placed as basic writers and optional for all other students. Placed students must pass both this course and Rhetoric and Composition II. Class meets once a week. Class size is limited to eight. Curriculum is coordinated with EH 124 instructor and tailored to the needs of students. Pass-Fail only. (Note: credit does not apply toward graduation.) Prerequisite(s): EH 123 and EH 103.

EH 123. Rhetoric and Composition I. 3 Hours.
This course teaches techniques for effective oral and written communication. In a workshop environment that features continual instructor and peer evaluation, students develop a process approach to writing and speaking. Students will write in a variety of genres and will reinforce rhetorical strategies pertaining to audience awareness while practicing oral delivery skills. A grade of C or better is required to pass the course.

EH 124. Rhetoric and Composition II. 3 Hours.
This course teaches techniques for effective oral and written communication. In a workshop environment that features continual instructor and peer evaluation, students develop a process approach to writing and speaking. Logical argumentation, academic conventions, and research-related skills are the primary focus. Public speeches are based on written assignments that incorporate various source materials. As students explore connections between the written and spoken word, the significance of nonverbal language and listening skills are emphasized. A grade of C or better is required to pass the course. Prerequisite(s): EH 123 or EH 111.

EH 199. Topic/ 1 Hour.
This course is intended to provide the opportunity to offer introductory courses in English that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

EH 200. Approaches to Literature. 3 Hours.
Introduces students to the study of literature and the fundamental of literary research. Students explore fiction, poetry, and drama from both the western and non-western worlds. The creative process is explored through reading, discussion, research and writing. Additionally, the key themes of power, identity, justice and adaptation and explored in relation literature. Prerequisite(s): (EH 123 and EH 124) or EH 111.

EH 229. Introduction to Poetry. 3 Hours.
This course provides a critical exploration into the sound and sense of verse in English, from is traditional forms (e.g. the sonnet, villanelle and sestina) to more recent styles (e.g. free verse, experimental and avant grade poetry). Special attention to the devices of meter, rhyme, rhetoric and wordplay will enhance students' understanding of the complementary relationship between poetic content (what a poem says) and form (how is is said). Prerequisite(s): EH 200 or EH 112.

EH 230. Introduction to the Short Story. 3 Hours.
This course introduces students to the narrative methods and storytelling strategies that define short fiction. Readings include short stories by traditional and contemporary writers from diverse national and cultural backgrounds. Attention will be given to individual stories and their function in the broader context of entire collections of short fiction. Prerequisite(s): EH 200.

EH 232. Intro to Drama/Play Production. 3 Hours.
This course examines dramatic writing and performance as a vehicle of cultural communication from the ancient world to the present day. Topics studied include forms and definitions of drama, history of play production, staging and criticism. Prerequisite(s): EH 200.

EH 233. Introduction to the Novel. 3 Hours.
This course provides a study of the novel, including its aesthetic development, critical reception, and social function, from its origins in the eighteenth-century to its contemporary practitioners. Specific topics and texts may vary according to instructor and student preference and may include Bradford, Bradstreet, Edwards, Hawthorne, Emerson, Melville, Thoreau and Douglas. Prerequisite(s): EH 200.

EH 234. American Literature I. 3 Hours.
This course presents a survey of American writing from the Colonial period to the Civil War with focus on the intellectual movements and literary output of Puritanism, Native American literature, Romanticism, the Transcendentalists and slavery narratives. Specific topics and texts may vary according to instructor and student preference and may include such writers as Bradford, Bradstreet, Edwards, Hawthorne, Emerson, Melville, Thoreau and Douglas. Prerequisite(s): EH 200.
**EH 235. American Literature II. 3 Hours.**
This course presents an overview of American Literature from the end of the Civil War to 1945. It may include authors and works from the Gilded Age, Progressivism, World War I, the Expatriates, the Jazz Age and the Harlem Renaissance. The course studies the role of literature to express and influence social, economic, and cultural realities of the United States. Specific topics and texts vary according to instructor and student preference and may include Twain, Bierce, Dickinson and Whitman. Prerequisite(s): EH 200 or EH 112.

**EH 241. British Literature I. 3 Hours.**
This course provides a study of canonical authors and works of the British Isles from medieval times to the modern era. Depending on instructor and student preference, texts and authors may include Beowulf, Chaucer, Langland, Malory, Donny, Shakespeare, Milton, Swift, Austen, Wordsworth, the Brontes, Tennyson, Arnold, Conrad and Woolf. Prerequisite(s): EH 200.

**EH 242. British Literature II. 3 Hours.**
This course surveys British literature from 1660 to the present. It will combine historical, cultural, and linguistic approaches in the study of various literary genres, considering along the way what shapes definitions of language, tradition, nation, and literature. Readings, class discussions, research and writing assignments aim to give students a broad look at a number of canonical writers, intellectual movements, and influential changes that have accompanied the development of British writing since the Restoration. The course is intended for majors and non-majors alike. Prerequisite(s): EH 200.

**EH 251. World Literature I. 3 Hours.**
This course surveys significant writings in Eastern and Western tradition, from ancient Babylonian civilization to the English Restoration. Selected texts depend on instructor and student interest and may include Gilgamesh, Greco-Roman mythology, Homer’s Odyssey, the Old and New Testaments, Indian epic, Dante’s Divine Comedy and Japanese haiku. Prerequisite(s): EH 200.

**EH 252. World Literature II. 3 Hours.**
The second of two world literature surveys, this course concentrates on literary works from the English Restoration to the modern era. The primary goal for the course is to define the role of literature as it occurs through a wide range of social, cultural and geographical contexts. Selected texts depend on student and instructor interest and may include Voltaire, Borges, Mahfouz, Tagore, Mishima, Garcia Marquez and Achebe. Prerequisite(s): EH 200.

**EH 275. Creative Writing Workshop. 3 Hours.**
This course is an introduction to the writing of creative short fiction, poetry, and personal essay. As students workshop their own writing and offer feedback to the writing of classmates, they are exposed to a variety of writing techniques in all three genres in order to help develop their own writing style and voice. Emphasis is placed on the importance of revision and writing as a process. Prerequisite(s): EH 200.

**EH 299. Topic/. 3 Hours.**
This course is intended to provide the opportunity to offer introductory courses in English that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty. Prerequisite(s): EH 200.

**EH 300. Literacies in American Society. 3 Hours.**
This course will investigate literacy from a sociocultural and linguistic perspective. Students will be defining and operationalizing the term “literacy” and striving to understand the various types of literacy that currently exist in American society. Furthermore, students will study how being adept in various literacies define group membership and serve as a gateway of access to various levels of American social stratification. Furthermore, beginning with pre-school aged children, students will investigate how literacy and the value of literacy is transmitted culturally and how that transmission weighs heavily on future involvement in literacy events. Prerequisite(s): EH 123 and EH 124.

**EH 301. The Modern Novel. 3 Hours.**
This course examines the novel as it develops in western and European culture from about 1800 through the present. Students will read approximately eight to ten novels per semester from a variety of cultural and historical periods. Students will become acquainted with the relevant historiographical sources, theory and issues pertaining to the period and write a variety of short papers for this course. Prerequisite(s): EH 112 or EH 200.

**EH 302. The Nature of Language. 3 Hours.**
This survey course will introduce students to the study of the nature of human language. During the course, students will be exposed to origins of human language, myths about language, language principles, writing systems, phonology/phonetics, morphology, syntax, psycholinguistics, social linguistics, first and second language acquisition, historical linguistics, and language and politics, semantics and pragmatics. The goal of this course is to expose the students the complexity of human language. Prerequisite(s): EH 123 and EH 124 and EH 200.

**EH 303. Canadian Literature. 3 Hours.**
This course will focus on the major thematic concerns that have shaped Canadian literature from the pre-Confederation era to the present day. Literary examples will be drawn from works concerned with ethnicity, colonization, the wilderness, identity formation, and the Francophone/Anglophone divide. Primary attention will be given to texts focusing on the world of work as it has been envisioned by Canadians. Selected poetry and prose from diverse, canonical authors such as Frances Brooke, Susanna Moodie, Isabella Valancy Crawford, Charles Gungust, John Richardson, Joy Kogawa, Alice Munroe, Margaret Atwood, David Adams Richard, and Yann Martel will be examined. Depending on the season, a day trip to King’s Landing – a living museum of Canadian history about three hours from Bangor – could be undertaken. Prerequisite(s): EH 112 or EH 200.

**EH 311. Topics in Professional Communication. 3 Hours.**
This course builds on the rhetorical foundation established in EH 123 and EH 124 to introduce students to the skills central to effective professional writing. These skills include an ability to apply composition theory and advanced rhetorical strategies to various professional contexts, such as business, engineering, and professional publishing. In addition, students will learn how to conduct research in a variety of professions, communicating these findings in specific professional genres, which include short stories, poems, novels, business letters, memos, internal and external proposals, analytic reports, and scientific articles. Prerequisite(s): EH 200.
EH 312. Film as Literature. 3 Hours.
This course is intended as an introduction to film studies course. Students will learn to read film by analyzing structure, narrative form, diegetic and non-diegetic elements, mise en scene, generic conventions, motifs, cinematography and editing techniques as they pertain to a given theme followed through a chronological development of film in a given cultural context,(this varies depending upon instructor). The course will stress writing about film through scene analysis papers, journals, and midterm and final essay exams. A formal presentation is also required. Prerequisite(s): EH 123 and EH 124 and EH 200.

EH 320. Literature and Medicine. 3 Hours.
This course approaches ethical, social, and psychological issues in health care through the study of literature. Texts from various genres will frame exploration of the caregiver-patient relationship from alternating perspectives and in diverse social environments, historical contexts, and cultural surroundings. The course emphasizes skills of critical close-reading, research, oral and written argument through class discussion, essays, and presentations. Prerequisite(s): EH 200.

EH 322. Group Leadership and Conference Techniques. 3 Hours.
This course involves experiential learning of leadership, interpersonal communication, and conference activities. Students develop and present individual and group programs based on issues and policies within their degree programs, and/or professional and civic organizations. Prerequisite(s): EH 121 and EH 221.

EH 330. Introduction to Literary and Cultural Theory. 3 Hours.
The goal of this course is to introduce students to the theories upon which advanced literary and cultural analyses are founded. These theories help scholars discover and articulate the role literature plays in our understanding of social associations and cultural tradition, institutions that shape the values and norms through which we define truth and, so, meaning. Prerequisite(s): EH 123 and EH 124 or College Level=Sophomore.

EH 342. Native American Literatures of North America. 3 Hours.
Students will examine Native American Literatures, including traditional stories, non-fiction, fiction and poetry from authors of different Native American tribes. A variety of themes, including Native American identity and the role literature plays in cultural change, will be covered. Students will investigate these issues through a series of reading journals, two longer response papers, a significant research essay, and two formal presentations. Prerequisite(s): EH 123 and EH 124 and EH 200.

EH 350. The History of the English Language. 3 Hours.
The History of the English Language offers a study of Old, Middle, and Modern English. Furthermore, the course will address how the nature and mechanisms of language change over time, as well as the social, political, and other historical conditions that relate to such changes. The course will also attend to phonology, morphology, syntax, lexicography, and semantics, as well as to the broader cultures of the relevant periods. Prerequisite(s): EH 123 and EH 124.

EH 352. Advanced Writing Internship. 3 Hours.
This course is designed to combine training for writing tutors with practical experience in the Writing Center. Students will study rhetoric and composition theory and explore issues that interfere with successful student writing, both their own and that of others. Acquired knowledge will be applied in both classroom role-playing situations and actual tutorial experiences in the Writing Center. Emphasis will be on preparing students for possible future roles as peer tutors in the Writing Center. Prerequisite(s): EH 112.

EH 360. Writing in the Health Professions. 3 Hours.
Writing in the Health Professions is designed to introduce you to various techniques and methods of communicating within the health professions. The required assignments expose you to the documents you will encounter in your physical therapy, occupational therapy, or other health science courses and careers. Through these assignments, the readings, and class discussions, you will develop the clear and focused writing style required in a technical or scientific context. Prerequisite(s): EH 200.

EH 411. Seminar in Literature. 3 Hours.
This is an upper-level seminar course of variable content determined by current faculty research and student interests. Previous topics include Shakespeare, Virginia Woolf, Twentieth Century Poetry and Literature of Place. Prerequisite(s): EH 200.

EH 453. Major Plays of Shakespeare. 3 Hours.
This course will examine Shakespeare’s major plays. The plays will be examined in context of Shakespeare’s background and English Renaissance thought. Plays covered in this course may vary, and students will examine selections from Shakespeare’s histories, tragedies, romances, and/or comedies. Prerequisite(s): EH 200.

EH 499. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer upper level literature courses in English that are not normally included in the ongoing curriculum at Husson University. Topics will depend upon the interests of students and faculty. Prerequisite(s): EH 123 and EH 124 and EH 200.

B.S. in English Pre-Law Track with Paralegal Certificate
The Pre-Law track provides concrete education for English majors taking the LSAT. Students will also graduate with a marketable certificate.

Program Curriculum
Candidates for a Bachelor of Science degree are required to complete a minimum of 121 semester credit hours maintaining a 2.0 overall cumulative grade point average and a 2.0 overall in their major courses. Transfer students must complete a minimum of thirty (30) credit hours at Husson University.

General Education Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>AC 120</td>
<td>Introduction to Accounting</td>
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<tr>
<td>BA 201</td>
<td>Business Law I</td>
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<tr>
<td>BA 211</td>
<td>Microeconomics</td>
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<td>EH 123</td>
<td>Rhetoric and Composition I</td>
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<td>EH 124</td>
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<td>EH 200</td>
<td>Approaches to Literature</td>
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<td>EH 234</td>
<td>American Literature I</td>
<td>3</td>
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<tr>
<td>HE 111</td>
<td>The Husson Experience **</td>
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<tr>
<td>HY 211</td>
<td>American National Government</td>
<td>3</td>
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<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
<td>4</td>
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<tr>
<td>PY 111</td>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>HY 101</td>
<td>History of Western Civilization</td>
<td>3</td>
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<tr>
<td>or HY 111</td>
<td>or United States History I</td>
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<tr>
<td>MS 131</td>
<td>Logic and Problem Solving</td>
<td>3</td>
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<td>or MS 132</td>
<td>or Probability and Statistics</td>
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<tr>
<td>PY 232</td>
<td>Abnormal Psychology</td>
<td>3</td>
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Select one of the following: 3
### Suggested Course Sequence

#### First Year

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<tr>
<th>Semester</th>
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Total Hours: 122

**Credit may not be required for degree completion.**
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In this course students practice a variety of writing strategies and sentence-level skills in a workshop atmosphere that prepares them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling and document format are among the topics covered in preparation for academic writing. Connections between reading and writing are emphasized. Placement is determined by a diagnostic writing sample. The course does not count towards the degree. A minimum grade of C is required.

EH 091L. English Writing Workshop Lab. 1 Hour.
This course is a writing workshop lab that is required for all students taking a developmental section of EH 123. The lab is structured using the studio model. This model provides a "third space" where students can explore, in more detail, the skills required to complete the standard EH 123 curriculum and, more importantly, the expectations of "college-level writing," which includes not only specific writing abilities but also the "habits of mind" that allow students to use writing as a means of solving unforeseen problems. This lab is also connected to the writing center, which provides tutoring opportunities for students enrolled in the writing lab.

EH 092. Writing Workshop for International Students. 3 Hours.
In this course students for whom English is a second language practice a variety of writing strategies and sentence-level skills in a workshop atmosphere that prepares them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling, and document format are among topics covered in preparation for academic writing. Connections between reading and writing are emphasized. Placement is determined by a diagnostic writing sample. The course does not count towards the degree. A minimum grade of C is required.
EH 093. Academic English for International Students. 3 Hours.
This course is designed for students for whom English is a second language. Placement is determined by diagnostic written and oral evaluation. Students will practice a variety of writing strategies and sentence-level skills in a workshop atmosphere to prepare them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling, and document format are among topics covered. Connections between reading and writing are emphasized. Development of academic vocabulary will be stressed. Listening and note-taking strategies will be practiced. Both linguistic and cultural aspects of oral classroom participation will be taught.

EH 094. Advanced English Workshop for International Students. 3 Hours.
This course is a more advanced continuation of EH 092, emphasizing additional development of vocabulary, writing, and oral participation in the American academic environment. Placement is determined by diagnostic assessment. Students whose English skills warrant it may be placed directly into this class and bypass EH 092.

EH 103. Rhetoric and Composition I Studio. 1 Hour.
A supplement to Rhetoric and Composition I (EH 123), this course is required for students placed as basic writers and optional for all other students. Placed students must pass both this course and Rhetoric and Composition I in order to move on to Rhetoric and Composition II (EH 124). Class meets once a week. Class size is limited to eight. Curriculum is coordinated with EH 123 instructor and tailored to the needs of students. Pass-Fail only. (Note: credit does not apply toward graduation.)

EH 104. Rhetoric and Composition II Studio. 1 Hour.
A supplement to Rhetoric and Composition II (EH 124), this course is required for students placed as basic writers and optional for all other students. Placed students must pass both this course and Rhetoric and Composition II. Class meets once a week. Class size is limited to eight. Curriculum is coordinated with EH 124 instructor and tailored to the needs of students. Pass-Fail only. (Note: credit does not apply toward graduation.) Prerequisite(s): EH 123 and EH 103.

EH 123. Rhetoric and Composition I. 3 Hours.
This course teaches techniques for effective oral and written communication. In a workshop environment that features continual instructor and peer evaluation, students develop a process approach to writing and speaking. Students will write in a variety of genres and will reinforce rhetorical strategies pertaining to audience awareness while practicing oral delivery skills. A grade of C or better is required to pass the course.

EH 124. Rhetoric and Composition II. 3 Hours.
This course teaches techniques for effective oral and written communication. In a workshop environment that features continual instructor and peer evaluation, students develop a process approach to writing and speaking. Logical argumentation, academic conventions, and research-related skills are the primary focus. Public speeches are based on written assignments that incorporate various source materials. As students explore connections between the written and spoken word, the significance of nonverbal language and listening skills are emphasized. A grade of C or better is required to pass the course. Prerequisite(s): EH 123 or EH 111.

EH 199. Topic/. 1 Hour.
This course is intended to provide the opportunity to offer introductory courses in English that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

EH 200. Approaches to Literature. 3 Hours.
Introduces students to the study of literature and the fundamental of literary research. Students explore fiction, poetry, and drama from both the western and non-western worlds. The creative process is explored through reading, discussion, research and writing. Additionally, the key themes of power, identity, justice and adaptation and explored in relation literature. Prerequisite(s): (EH 123 and EH 124) or EH 111.

EH 229. Introduction to Poetry. 3 Hours.
This course provides a critical exploration into the sound and sense of verse in English, from is traditional forms (e.g. the sonnet, villanelle and sestina) to more recent styles (e.g. free verse, experimental and avant grade poetry). Special attention to the devices of meter, rhyme, rhetoric and wordplay will enhance students' understanding of the complementary relationship between poetic content (what a poem says) and form (how is is said). Prerequisite(s): EH 200 or EH 112.

EH 230. Introduction to the Short Story. 3 Hours.
This course introduces students to the narrative methods and storytelling strategies that define short fiction. Readings include short stories by traditional and contemporary writers from diverse national and cultural backgrounds. Attention will be given to individual stories and their function in the broader context of entire collections of short fiction. Prerequisite(s): EH 200.

EH 232. Intro to Drama/Play Production. 3 Hours.
This course examines dramatic writing and performance as a vehicle of cultural communication from the ancient world to the present day. Topics studied include forms and definitions of drama, history of play production, staging and criticism. Prerequisite(s): EH 200.

EH 233. Introduction to the Novel. 3 Hours.
This course provides a study of the novel, including its aesthetic development, critical reception, and social function, from its origins in the eighteenth-century to its contemporary practitioners. Specific topics and texts may vary according to instructor and student preference and may include Bradford, Bradstreet, Edwards, Hawthorne, Emerson, Melville, Thoreau and Douglas. Prerequisite(s): EH 200.

EH 234. American Literature I. 3 Hours.
This course presents a survey of American writing from the Colonial period to the Civil War with focus on the intellectual movements and literary output of Puritanism, Native American literature, Romanticism, the Transcendentalists and slavery narratives. Specific topics and texts may vary according to instructor and student preference and may include such writers as Bradford, Bradstreet, Edwards, Hawthorne, Emerson, Melville, Thoreau and Douglas. Prerequisite(s): EH 200.

EH 235. American Literature II. 3 Hours.
This course presents an overview of American Literature from the end of the Civil War to 1945. It may include authors and works from the Gilded Age, Progressivism, World War I, the Expatriates, the Jazz Age and the Harlem Renaissance. The course studies the role of literature to express and influence social, economic, and cultural realities of the United States. Specific topics and texts may vary according to instructor and student preference and may include Twain, Bierce, Dickinson and Whitman. Prerequisite(s): EH 200 or EH 112.

EH 241. British Literature I. 3 Hours.
This course provides a study of canonical authors and works of the British Isles from medieval times to the modern era. Depending on instructor and student preference, texts and authors may include Beowulf, Chaucer, Langland, Malory, Donny, Shakespeare, Milton, Swift, Austen, Wordsworth, the Brontes, Tennyson, Arnold, Conrad and Woolf. Prerequisite(s): EH 200.
EH 242. British Literature II. 3 Hours.
This course surveys British literature from 1660 to the present. It will combine historical, cultural, and linguistic approaches in the study of various literary genres, considering along the way what shapes definitions of language, tradition, nation, and literature. Readings, class discussions, research and writing assignments aim to give students a broad look at a number of canonical writers, intellectual movements, and influential changes that have accompanied the development of British writing since the Restoration. The course is intended for majors and non-majors alike. Prerequisite(s): EH 200.

EH 251. World Literature I. 3 Hours.
This course surveys significant writings in Eastern and Western tradition, from ancient Babylonian civilization to the English Restoration. Selected texts depend on instructor and student interest and may include Gilgamesh, Greco-Roman mythology, Homer’s Odyssey, the Old and New Testaments, Indian epic, Dante’s Divine Comedy and Japanese haiku. Prerequisite(s): EH 200.

EH 252. World Literature II. 3 Hours.
The second of two world literature surveys, this course concentrates on literary works from the English Restoration to the modern era. The primary goal for the course is to define the role of literature as it occurs through a wide range of social, cultural and geographical contexts. Selected texts depend on student and instructor interest and may include Voltaire, Borges, Mahfouz, Tagore, Mishima, Garcia Marquez and Achebe. Prerequisite(s): EH 200.

EH 275. Creative Writing Workshop. 3 Hours.
This course is an introduction to the writing of creative short fiction, poetry, and personal essay. As students workshop their own writing and offer feedback to the writing of classmates, they are exposed to a variety of writing techniques in all three genres in order to help develop their own writing style and voice. Emphasis is placed on the importance of revision and writing as a process. Prerequisite(s): EH 200.

EH 299. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer introductory courses in English that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty. Prerequisite(s): EH 200.

EH 300. Literacies in American Society. 3 Hours.
This course will investigate literacy from a sociocultural and linguistic perspective. Students will be defining and operationalizing the term "literacy" and striving to understand the various types of literacy that currently exist in American society. Furthermore, students will study how being adept in various literacies define group membership and serve as a gateway of access to various levels of American social stratification. Furthermore, beginning with pre-school aged children, students will investigate how literacy and the value of literacy is transmitted culturally and how that transmission weighs heavily on future involvement in literacy events. Prerequisite(s): EH 123 and EH 124.

EH 301. The Modern Novel. 3 Hours.
This course examines the novel as it develops in western and European culture from about 1800 through the present. Students will read approximately eight to ten novels per semester from a variety of cultural and historical periods. Students will become acquainted with the relevant historiographical sources, theory and issues pertaining to the period and write a variety of short papers for this course. Prerequisite(s): EH 112 or EH 200.

EH 302. The Nature of Language. 3 Hours.
This survey course will introduce students to the study of the nature of human language. During the course, students will be exposed to origins of human language, myths about language, language principles, writing systems, phonology/phonetics, morphology, syntax, psycholinguistics, social linguistics, first and second language acquisition, historical linguistics, and language and politics, semantics and pragmatics. The goal of this course is to expose the students the complexity of human language. Prerequisite(s): EH 123 and EH 124 and EH 200.

EH 303. Canadian Literature. 3 Hours.
This course will focus on the major thematic concerns that have shaped Canadian literature from the pre-Confederation era to the present day. Literary examples will be drawn from works concerned with ethnicity, colonization, the wilderness, identity formation, and the Francophone/Anglophone divide. Primary attention will be given to texts focusing on the world of work as it has been envisioned by Canadians. Selected poetry and prose from diverse, canonical authors such as Frances Brooke, Susanna Moodie, Isabella Valancy Crawford, Charles Sangster, John Richardson, Joy Kogawa, Alice Munroe, Margaret Atwood, David Adams Richard, and Yann Martel will be examined. Depending on the season, a day trip to King’s Landing – a living museum of Canadian history about three hours from Bangor – could be undertaken. Prerequisite(s): EH 112 or EH 200.

EH 311. Topics in Professional Communication. 3 Hours.
This course builds upon the rhetorical foundation established in EH 123 and EH 124 to introduce students to the skills central to effective professional writing. These skills include an ability to apply composition theory and advanced rhetorical strategies to various professional contexts, such as business, engineering, and professional publishing. In addition, students will learn how to conduct research in a variety of professions, communicating these findings in specific professional genres, which include short stories, poems, novels, business letters, memos, internal and external proposals, analytic reports, and scientific articles. Prerequisite(s): EH 200.

EH 312. Film as Literature. 3 Hours.
This course is intended as an introduction to film studies course. Students will learn to read film by analyzing structure, narrative form, diegetic and non-diegetic elements, mise en scene, generic conventions, motifs, cinematography and editing techniques as they pertain to a given theme followed through a chronological development of film in a given cultural context,(this varies depending upon instructor). The course will stress writing about film through scene analysis papers, journals, and midterm and final essay exams. A formal presentation is also required. Prerequisite(s): EH 123 and EH 124 and EH 200.

EH 320. Literature and Medicine. 3 Hours.
This course approaches ethical, social, and psychological issues in health care through the study of literature. Texts from various genres will frame exploration of the caregiver-patient relationship from alternating perspectives and in diverse social environments, historical contexts, and cultural surroundings. The course emphasizes skills of critical close-reading, research, oral and written argument through class discussion, essays, and presentations. Prerequisite(s): EH 200.

EH 322. Group Leadership and Conference Techniques. 3 Hours.
This course involves experiential learning of leadership, interpersonal communication, and conference activities. Students develop and present individual and group programs based on issues and policies within their degree programs, and/or professional and civic organizations. Prerequisite(s): EH 121 and EH 221.
EH 330. Introduction to Literary and Cultural Theory. 3 Hours.
The goal of this course is to introduce students to the theories upon
which advanced literary and cultural analyses are founded. These
theories help scholars discover and articulate the role literature plays
in our understanding of social associations and cultural tradition,
institutions that shape the values and norms through which we define
truth and, so, meaning. Prerequisite(s): (EH 123 and EH 124) or College
Level=Sophomore.

EH 342. Native American Literatures of North America. 3 Hours.
Students will examine Native American Literatures, including traditional
stories, non-fiction, fiction and poetry from authors of different Native
American tribes. A variety of themes, including Native American identity
and the role literature plays in cultural change, will be covered. Students
will investigate these issues through a series of reading journals, two
longer response papers, a significant research essay, and two formal
presentations. Prerequisite(s): EH 123 and EH 124 and EH 200.

EH 350. The History of the English Language. 3 Hours.
The History of the English Language offers a study of Old, Middle,
and Modern English. Furthermore, the course will address how the nature
and mechanisms of language change over time, as well as the social,
political, and other historical conditions that relate to such changes. The
course will also attend to phonology, morphology, syntax, lexicography,
and semantics, as well as to the broader cultures of the relevant periods.
Prerequisite(s): EH 123 and EH 124.

EH 352. Advanced Writing Internship. 3 Hours.
This course is designed to combine training for writing tutors with
practical experience in the Writing Center. Students will study rhetoric
and composition theory and explore issues that interfere with successful
student writing, both their own and that of others. Acquired knowledge
will be applied in both classroom role-playing situations and actual
tutorial experiences in the Writing Center. Emphasis will be on preparing
students for possible future roles as peer tutors in the Writing Center.
Prerequisite(s): EH 112.

EH 360. Writing in the Health Professions. 3 Hours.
Writing in the Health Professions is designed to introduce you to
various techniques and methods of communicating within the health
professions. The required assignments expose you to the documents you
will encounter in your physical therapy, occupational therapy, or other
health science courses and careers. Through these assignments, the
readings, and class discussions, you will develop the clear and focused
writing style required in a technical or scientific context. Prerequisite(s):
EH 200.

EH 411. Seminar in Literature. 3 Hours.
This is an upper-level seminar course of variable content determined by
current faculty research and student interests. Previous topics include
Shakespeare, Virginia Woolf, Twentieth Century Poetry and Literature of
Place. Prerequisite(s): EH 200.

EH 453. Major Plays of Shakespeare. 3 Hours.
This course will examine Shakespeare’s major plays. The plays will
be examined in context of Shakespeare’s background and English
Renaissance thought. Plays covered in this course may vary, and
students will examine selections from Shakespeare’s histories, tragedies,
romances, and/or comedies. Prerequisite(s): EH 200.

EH 499. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer upper level
literature courses in English that are not normally included in the ongoing
curriculum at Husson University. Topics will depend upon the interests of
students and faculty. Prerequisite(s): EH 123 and EH 124 and EH 200.

Environmental Science

The Environmental Science program is designed to provide students
with a strong, broad based foundation in the natural and physical
processes that affect the functioning of our planet as well social and
political factors that influence environmental policy and management.
Successful completion of the program prepares students for positions
with local, state, and federal government agencies, private environmental
organizations, or graduate school in scientific or policy-related
environmental disciplines. In addition to the core requirements for
the Environmental Science program, students are required to take
ten additional courses as follows: 3 Biological Sciences electives, 3
Chemistry electives, 2 Physical Sciences and Mathematics electives,
and 2 Interdisciplinary electives. Students should meet with advisors
to assure proper course selection.

B.S. Environmental Science

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BA 499</td>
<td>Topic/ (Environmental Law)</td>
<td>3</td>
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<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
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<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
<td>3</td>
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<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
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<tr>
<td>SC 2XX</td>
<td>Science Writing</td>
<td>3</td>
</tr>
<tr>
<td>HE 111</td>
<td>The Husson Experience ***</td>
<td>1</td>
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<tr>
<td>HY 213</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>MI 214</td>
<td>Microcomputer Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>PH 220</td>
<td>Environmental Ethics</td>
<td>3</td>
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<tr>
<td>PY 111</td>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>EH 200+ Elective</td>
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<td>3</td>
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<tr>
<td>Fine Arts Elective</td>
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<td>3</td>
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<tr>
<td>Foreign Culture and Conversation Elective</td>
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<tr>
<td>Global Elective</td>
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<tr>
<td>Open Elective</td>
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Cocurricular and/or Community Service

Science Courses

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SC 134</td>
<td>Introduction to Geology</td>
<td>3</td>
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<tr>
<td>SC 141</td>
<td>Environmental Science</td>
<td>3</td>
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<tr>
<td>SC 142</td>
<td>Conservation and Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>SC 181 &amp; SL 181</td>
<td>Chemistry I and Chemistry Lab I</td>
<td>4</td>
</tr>
<tr>
<td>SC 182 &amp; SL 182</td>
<td>Chemistry II and Chemistry Lab II</td>
<td>4</td>
</tr>
<tr>
<td>SC 191 &amp; SL 191</td>
<td>General Biology I and General Biology Lab I</td>
<td>4</td>
</tr>
<tr>
<td>SC 192 &amp; SL 192</td>
<td>General Biology II and General Biology Lab II</td>
<td>4</td>
</tr>
<tr>
<td>SC 210 &amp; SL 210</td>
<td>Marine Biology and Marine Biology Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>SC 224</td>
<td>Research Design</td>
<td>3</td>
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<tr>
<td>SC 240</td>
<td>Ecology</td>
<td>4</td>
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<tr>
<td>SC 240</td>
<td>and Ecology Lab</td>
<td>4</td>
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<tr>
<td>SC 283</td>
<td>Soil, Air, and Water Chemistry</td>
<td>3</td>
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<tr>
<td>SC 383</td>
<td>Junior Science Research Seminar</td>
<td>3</td>
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### SC Courses

**SC 101. Introduction to Nutrition. 3 Hours.**
This course serves as an introduction to nutritional concepts and to the interconnections of health, nutrition, weight, and physical activity. This course is particularly appropriate for students with no science background.

**SC 104. Organismal Biology. 3 Hours.**
Organismal Biology is an introductory biology course with an integrated lab, intended primarily for non-science majors. This course enables the student to become aware of their role in the complex biological system in which they live. Students will learn about plant biology, animal biology and microbiology in the context of how these organisms have shaped our current state of biodiversity. Since all organisms grow, develop and subsist within an environment, topics will include how organisms survive in, and interact with other organisms within their ecological community.

**SC 105. Headline Science. 3 Hours.**
This course explores various contemporary issues in science using an integrative and societal approach. Students will study the topics from a biological, chemical, physical, and environmental perspective, and relate the significance of the scientific matter to their major field of study. This course is intended for non-science majors.

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**Bachelor of Science in Exercise Science**

Graduates of this Bachelor of Science degree program are trained to assess, design and implement exercise plans for people who may be healthy or who have been compromised by disease or injury. Employment opportunities include work in medical, private, commercial and sports fitness facilities as well as clinical settings such as cardiac and pulmonary rehabilitation. Other graduates may move on to medical school or research careers.

**The Program**

Graduates of Exercise Science programs are trained to assess, design, and implement exercise plans for groups and individuals who may be healthy or have diseases or injuries. Exercise scientists may evaluate risk factors, conduct assessments, develop appropriate fitness or treatment plans and motivate people toward healthy behaviors in a variety of settings.

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<tr>
<th>Suggested Course Sequence</th>
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<tbody>
<tr>
<td><strong>First Year</strong></td>
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<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>EH 123</td>
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<tr>
<td>HE 111***</td>
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<td>MS 141</td>
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<td>SC 181 &amp; SL 181</td>
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<td>SC 191 &amp; SL 191</td>
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<th><strong>Second Year</strong></th>
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<tr>
<td><strong>Fall</strong></td>
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<td>PY 111</td>
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<td>EH 200</td>
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<td>MI 214</td>
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<td>MS 132</td>
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<td>SC 141</td>
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<th><strong>Third Year</strong></th>
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<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>SC 383</td>
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<tr>
<td>SC 240 &amp; SL 240</td>
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<tr>
<td>SC 210 &amp; SL 210</td>
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<tr>
<td>Physical Science or Math Elective</td>
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<td>Open Elective</td>
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<th><strong>Fourth Year</strong></th>
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<tr>
<td><strong>Fall</strong></td>
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<td>SC 481</td>
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SC 120. Functional Anatomy and Physiology. 3 Hours.
Functional Anatomy and Physiology is a one semester, 3 credit lecture with a separate laboratory course designed to give the non-science major knowledge of the human body and its relationship with the environment. Topics covered include: the chemical basis of life, the anatomy & physiology of all organ systems, growth, development, heredity and biotechnology issues.

SC 131. Human Genetics. 3 Hours.
This course is designed for nonscience majors to support the natural interest of most people in those human physical, behavioral, and social characteristics that have a hereditary basis. Lectures, discussions and the solving of simple genetic and statistical problems are used to form a basis for the consideration of current social issues with genetic implications.

SC 134. Introduction to Geology. 3 Hours.
The course, specifically designed for the Environmental Science majors, introduces fundamentals of geology in the environmental context. The issues of local and global environmental changes are placed into a broader perspective of the functioning of the Earth system. Students are introduced into the science of Earth's materials: rocks, minerals, soils, and waters and the processes forming them. The internal processes (plate tectonics, earthquakes, volcanoes) and surface processes (streams, flooding, coastal zones, mass movements, glaciers, winds, desertification) are presented from the point of view of their influence on the geologic hazards, and on the distribution of natural resources. The interrelate of geology and human activities is examined in such contexts as waste disposal, air pollution, water contamination, climate change, land degradation, and resource and energy consumption. The format of this course includes one local field trip, lab activities on rocks and minerals identification, and introduction to topographic and geologic maps.

SC 135. Introduction to Meteorology. 3 Hours.
This course provides the student with a basic understanding of weather phenomenon and how weather is predicted. Students will master the terminology of weather prediction; explore the water cycle, and how the sun affects weather. The course will also treat atmospheric circulation, cloud formation and identification and students will learn how to make weather assumptions based on observations of temperature, pressure, humidity, wind direction, and sky cover. Students will also learn how weather data is collected and how forecasters make predictions based on previous and current weather observations.

SC 141. Environmental Science. 3 Hours.
This course is a survey of the important topics in environmental science. Concepts of energy flow and nutrient cycling are explored in the context of human impacts upon these processes. Sources of pollution and their total effect on ecosystem and biosphere function are also explored. Management of material wastes and energy efficiency is an integral theme of the class. This class satisfies the laboratory science requirement with a series on in-class lab experiences and field trips.

SC 142. Conservation and Resource Management. 3 Hours.
This course emphasizes the basic principles of conservation that are applied to utilization and management of natural resources such as soil, water, range lands, forests, wildlife, minerals, and human populations. The study of the interrelationships between living organisms and their environment is known as ecology. This course applies ecological concepts to conservation problems and policies. Prerequisite(s): SC 141.

SC 145. Environmental Science Field Experience I. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 146. Environmental Science Field Experience II. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 147. Environmental Science Field Experience III. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 150. Astronomy of the Solar System. 3 Hours.
This is an introductory astronomy course with a virtual observing experience. The primary objective of this class is to help the students understand the solar system. The course will present an overview of the night sky, the constellations, light-telescope and the nature of stars and the galaxies but the emphasis will be on understanding our solar system. The Sun, Earth, Moon, planets and their satellites, asteroids and comets will be studied in some detail. No mathematics or physics background is assumed in this course.
SC 151. Conceptual Physics. 3 Hours.
Conceptual Physics is an introductory physics course with an integrated lab, intended primarily for non-science majors. In this course we will study motion, mechanics, gravity, heat, electricity, magnetism, optics, atomic, nuclear and molecular physics, and relativity. We will also learn about the process by which physicists attempt to understand the intriguing laws of nature. The course will be taught using a combination of lectures, classroom demonstrations and laboratory experiments. Understanding of the fundamental concepts rather than number crunching is emphasized in this course and the equations will serve to refine the concepts and facilitate student’s thinking process. Ultimately, it is hoped that by taking this course the student will develop a better appreciation for the natural world.

SC 167. Energy and Society. 3 Hours.
This course examines the basic physical principles underlying various energy technologies and develops the quantitative skills necessary to evaluate these technologies. Students present their work in both written and oral form. The end goal of this course is to help students become citizens that have the requisite background and communication skills to intelligently participate in energy policy discussions and decisions. Topics typically include basic scientific literacy and notation, introductory physics (such as force, work, energy, power), circuit analysis, thermodynamics, various energy technologies (fossil fuels, nuclear power, solar, hydroelectric, etc.), and placing these technologies in a broader environmental, social, and economic context. This course includes an integrated laboratory in order to introduce basic laboratory skills. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 180. Principles of Gen Chemistry. 3 Hours.
This course explores fundamental quantitative and qualitative principles of inorganic, organic and biological chemistry and provides a basic understanding of theoretical and applied aspects of general chemistry. Topics in inorganic chemistry include measurement, atomic theory and chemical bonding, chemical reactions and mass relationships, kinetic theory and gas laws, acids, bases, pH and buffers. Organic chemistry will provide an overview of the nomenclature, properties and reactivity of major groups of organic compounds, while biochemistry will focus on the chemistry of carbohydrates, lipids, proteins, and enzymes. An overview of biochemical energetics, nucleic acids and protein synthesis is also included.

SC 181. Chemistry I. 3 Hours.
This introduction to chemistry provides a basic understanding of theoretical and practical aspects of inorganic chemistry. The course includes the metric system, chemical elements and symbols, the structure of the atom, chemical bonds, molecules and compounds, and chemical reactions.

SC 182. Chemistry II. 3 Hours.
This course is a continuation of Chemistry I. It focuses on organic chemistry and biochemistry and provides a background for understanding the chemical mechanisms of health and disease. Organic chemistry will emphasize the study of carbon, its special properties, and its compounds. Biochemistry will focus on the chemicals of living organisms, carbohydrates, lipids, proteins, and nucleic acids. Selected physiological topics such as energy metabolism, the genetic code, and protein synthesis are included. Prerequisite(s): SC 181.

SC 191. General Biology I. 3 Hours.
General Biology I focuses on biological principles that are fundamental to all of biology. This course covers the diversity of life and the commonalities of all living things including: molecular structure, cell structure and function, metabolism, cell division, heredity, and genetics. This course will also review the scientific process and the evaluation of scientific information. This course will prepare students for future courses in anatomy and physiology, cell biology, microbiology, biochemistry, genomic biology, and other biological specialties. This course is limited to students in programs requiring this course or are intending to take further biology courses.

SC 192. General Biology II. 3 Hours.
General Biology II is the continuation of a two-semester series in general biology for science majors. This course is designed to provide a thorough introduction to biology and prepare students for further study of evolution and ecology in SC 240. The goal of the course is to emphasize the diversity of species and for students to understand their relationship to, and their place in, the natural world. General Biology II is an introduction to the systematics, anatomy and physiology of the plant and animal kingdoms. This course will examine the structure and function of plant and animal organ systems in the framework of the evolution of adaptations. The course also concludes with an introduction to ecological systems.

SC 199. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 202. Science Immersion. 3 Hours.
This course emphasizes conservation by providing students an experiential setting that illuminates various aspects of the precarious balance between people’s effect on the environment and the natural order of things. Educational goals focus on the conservation and restoration of our natural heritage so that biodiversity is not depleted.

SC 210. Marine Biology. 3 Hours.
Oceans cover more than 70% of the earth’s surface and support all life on the planet. This course follows an ecological approach to consider the adaptations and interactions of plants and animals with their marine habitats, with particular emphasis on the ecosystems and organisms in the Gulf of Maine. Communities discussed include the open ocean, the deep-sea, subtidal and intertidal zones, and estuaries, as well as habitats found exclusively in tropical and polar regions. Prerequisite(s): SC 191 or SC 192.

SC 221. Anatomy and Physiology I. 3 Hours.
This course provides an in-depth understanding of the structures and functions of the human body and its parts. The course begins with the organization of the human body and descriptive terminology relating to various segments of the body. Cellular anatomy and physiology and study of tissues lead to the study of the organ systems. Topics included in the course are skin, the skeletal system, joints, the nervous system, and muscle.

SC 222. Anatomy and Physiology II. 3 Hours.
This course is a continuation of Anatomy and Physiology I. The course will provide a thorough understanding of structure-function relationships down to the molecular level. The semester will cover the special senses, blood, the cardiovascular system, lymphatics, the respiratory system, the digestive system, the urinary system, the endocrine system, and reproduction. Prerequisite(s): SC 221.
SC 224. Research Design. 3 Hours.
This course introduces basic concepts and skills needed for understanding and conducting research in the social, educational and health sciences. Students will receive a basic introduction to the fundamentals of research—what it involves, what types exist, and how to design and conduct such research. Examined are the essential terms and concepts of research necessary for students to critically evaluate research literature, develop solid research questions, and plan simple research projects. Active engagement with the research process will occur through class participation, exercises, literature reviews, development of research questions, and creation of inquiry strategies for answering research questions. Prerequisite(s): MS 132.

SC 234. Nutrition. 3 Hours.
This course examines the basic nutritional principles (biological, chemical and regulatory mechanisms); the changing nutritional requirements throughout the life cycle; the relationship between nutrition and disease; the principles of therapeutic nutrition (diet therapy) and the assessment of nutritional status. Prerequisite(s): SC 180 or SC 181.

SC 240. Ecology. 3 Hours.
This course explores the interaction of biotic and abiotic components in functioning ecosystems. It will examine topics in population distribution and dynamics, major terrestrial and aquatic habitats, community interactions such as competition and predation, nutrient cycling, energy flow, and ecosystem succession. The concurrently run lab will train students in identifying local flora and fauna, as well as collection and analysis of field data. Prerequisite(s): SC 191 and SC 192.

SC 241. Microbiology. 3 Hours.
This course provides a broad understanding of both beneficial and harmful microorganisms and their roles in human welfare. Emphasis is placed on the structure, physiology, and control of human pathogens, particularly bacteria and viruses. The lab provides experience in important techniques of culturing, identifying, and controlling microorganisms. Prerequisite(s): SC 104 and (SC 191 or SC 221).

SC 242. Biotechnology. 3 Hours.
The current explosion in wonder drugs, diagnostic tests and medical treatments has resulted, primarily, from advances in biotechnology. This course will explore the origins and current status of biotechnology and how it is applied in the world or research, product development, medical diagnosis, disease treatment and law enforcement. This course will primarily focus on those areas of biotechnology that pertain to molecular biology and biochemistry. The laboratory portion of this course will expose students to many of the techniques used in molecular biology/ biotechnology laboratories around the world. Prerequisite(s): SC 102 and SC 103.

SC 251. Astronomy. 3 Hours.
This is an introductory course that will describe, develop and create physical models for many of the observable astronomical events in the sky. The topics may include motion in the night sky, the solar system, light, stars, star groups, the origin of the universe, life in the universe, and UFO’s.

SC 261. Integrated Physical Science I. 3 Hours.
Integrated Physical Science I is the first course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning career in elementary education. Using physical environment as a theme, principles of chemistry, physics, geology, atmospheric science, and space science are introduced, and reinforced through inquiry-based lab activities and field trips. This first course of the sequence, covers fundamental concepts of chemistry and physics, which include: motion, waves and particles, energy, structure and properties of inorganic and organic matter and their mixtures, interactions of energy and matter, order and equilibrium of physical systems. Prerequisite(s): EH 123 and (MS 111 or MS 141 or MS 180 or MS 181).

SC 262. Integrated Physical Science II. 3 Hours.
Integrated Physical Science II is the second course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning careers in elementary education. Using environment as a theme, principles of physical sciences are introduced and reinforced through inquiry-based lab activities and field trips. The course covers fundamental concepts of geology, atmospheric science, and space science. Prerequisite(s): SC 261.

SC 271. Physics I. 3 Hours.
Physics I is the first course in a two semester general physics sequence. The goal of this course is to introduce the student to the concepts of force and motion, work and energy, fluids and gases, heat and thermodynamics, and periodic motion. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 180 or MS 181.

SC 272. Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 271. Topics include electricity and magnetism, optics, atomic theory, relativity. Quantum mechanics, nuclear physics, and elementary particles. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. Prerequisite(s): SC 271.

SC 283. Soil, Air, and Water Chemistry. 3 Hours.
An understanding of the fundamental chemistry implicit in the environment is important, but students must also be familiar with aspects of mineralogy, oceanography, soil science, sedimentology and microbiology. The course emphasizes natural geochemical processes and how they operate over a variety of scales. Topics range from global issues such as atmospheric pollution and its effect on global warming and ozone destruction to the link between microbiological populations and local and global scale nutrient and chemical cycling. The course is designed to introduce the student to that major systems and cycles in the environment and how materials and energy are cycled in these systems. Prerequisite(s): SC 181 and SC 182 and SL 181 and SL 182.

SC 285. University Physics I. 3 Hours.
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.
SC 286. University Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 181 and SC 285.

SC 291. Cell Biology. 3 Hours.
This course is a detailed exploration of cell structure and function with an emphasis on the cytoplasm and extracellular matrix. Topics in membrane structure, transmembrane transport, vesicle trafficking, cytoskeletal organization, and macromolecular assembly processes are considered. Cell to cell communications and the role of the extracellular matrix in tissue level processes are also explored. Superficial examination is given to the structure and organization of the nucleus, chromosomes and gene expression to prepare students for the companion course entitled Genomic Biology. Prerequisite(s): SC 191.

SC 292. Epidemiology. 3 Hours.
Basic concepts of epidemiology and methods for identification of factors influencing health and disease in human populations. Considerations are centered on physical, biological, psychosocial and cultural factors in relation to infectious and noninfectious diseases; interactions between agent, host, and environmental factors as determinants of health and disease; application of the epidemiologic approach to health services; and retrospective and prospective analysis of morbidity data. Instruction is by lecture, laboratory exercises and seminars.

SC 299. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 312. Adult, Infant, and Child CPR First Aid. 3 Hours.
This is a standard American Heart and American Red Cross course in adult, infant and child emergency care of injuries and CPR. Standard certificate awarded on successful completion of course.

SC 330. Exercise Physiology. 3 Hours.
This course examines changes within the human body due to the effects of acute and chronic exercise. The student is challenged to expand both their knowledge of and appreciation of human physiological reaction, regulation, and adaptation to exercise. Prerequisite(s): SC 111 or SC 120 or SC 222.

SC 332. Physiological Ecology of Animals and Plants. 3 Hours.
This course explores the structural and functional relationships within plants and animals that make them adapted to their environment. This course uses numerous examples to illustrate how plants and animals survive given the constraints of their environment. Examples will be taken from temperate, arctic, alpine, tropical, desert, and aquatic ecosystems. Prerequisite(s): SC 191 and SC 192.

SC 333. Pathophysiology. 3 Hours.
Pathophysiology is the study of abnormal, diseased physiological processes. The course begins with an examination of altered cell functioning, injury and death. The course continues with pathophysiology of the body systems and inability of diseased systems to maintain homeostasis. Also included are topics in inflammation, immunity, neoplasia, and adaptations of the body to stress. Although aging is not considered a disease, some aspects of aging will be discussed. Prerequisite(s): SC 221 and SC 222.

SC 334. Genomic Biology. 3 Hours.
This class will explore the structure of the nucleus, patterns of inheritance (traditional genetics), the molecular mechanisms of biological information management (molecular biology), and the technologies that are used to obtain and use the information contained within genomes (genomic science). The course will trace classical genetics, chromosome maps, the structure of DNA, gene expression and regulation, and the tools of molecular biology and genomic analysis. Prerequisite(s): SC 102 and (SC 180 or SC 181).

SC 351. Oceanography. 3 Hours.
This course examines the physical and biological characteristics of the marine environment. Topics include the origin of earth and its oceans, life in the oceans, the history of oceanography, plate tectonics, the nature of water, ocean circulation, waves, tides, shorelines, and coastal regions. A large portion of the course examines the interrelationships between organisms and the marine environment, mariculture marine pollution, and pollution control.

SC 352. Biochemistry. 3 Hours.
In this offering, the student will be exposed to reductionism in the field of biology. Biochemistry overlaps with many fields of endeavor. The discipline embraces physiology, pharmacology, enzymatics, nutrition, immunology, structural biology, biotechnology, and molecular biology all at the same time. The course curriculum will focus upon the role of enzymes in guiding metabolic processes and pathways. The student will come to understand the details of biological functioning at these three levels of organization: Metabolism, metabolic pathways, enzymatic mechanisms and kinetics. Prerequisite(s): SC 102 and SC 182.

SC 360. Biomechanics & Kinesiology in Human Performance. 3 Hours.
This course examines the application of anatomical and physiological principles of kinesiology and physical movement. Topics include the scientific study of human movement, analysis of motor skills, and programs of exercise and evaluation of human performance. Prerequisite(s): SC 222 or SC 120.

SC 362. Dynamics of the Earth. 3 Hours.
This course presents the basic concepts of earth science that include a broad and nonquantitative survey at the introductory level of topics in geology, oceanography, meteorology and astronomy. In geology, the topics emphasized are plate tectonics, volcanic activity, mountain building, minerals and rocks, earthquakes, geologic time and earth history. In meteorology, the specific areas include weather elements, weather patterns and storms. The astronomy unit reviews constellations, the moon, the solar system and beyond. Laboratory activities are included to demonstrate concepts. Within each unit human use and manipulation of physical resources is examined from both a scientific and economic perspective.

SC 367. Mathematics and Physics of Sustainable Energy. 3 Hours.
In this course you will examine the basic physical principles behind the generation and consumption of electrical energy. Mathematical skills necessary to quantitatively compare different sustainable energy technologies and associated issues are developed. This course assumes no prior background in physics. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 371. Horticulture. 3 Hours.
This course presents the fundamentals of horticulture including topics such as environmental factors affecting plants, methods of growing plants, pruning, grafting, harvesting and storing, pests and horticulture plants and their control, horticulture for home grounds, and the vegetable garden. Laboratory activities enable students to practice experimental design and planting techniques used in horticulture.
SC 373. Inorganic Chemistry. 3 Hours.
This course is designed to introduce the basic principles and concepts of inorganic chemistry. The course is intended for students who wish to pursue careers in chemistry, biochemistry, pharmacology, or the life sciences. Topics to be covered include: atomic and molecular structure, experimental techniques, bonding in polyatomics, acid/base chemistry, oxidation/reduction, descriptive chemistry of hydrogen and the s, p, d, and f block elements. Prerequisite(s): SC 181 and SC 182 and MS 181.

SC 381. Organic Chemistry I. 3 Hours.
This course comprises the first semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on chemical bonding, stereochemistry, and reaction mechanisms. Chemistry, as one of the exact sciences, requires quantification. Therefore, development of the critical thinking and problem solving strategies, as well as the experimental know-how and laboratory skills are major objectives of the course. Introduction to microscale lab techniques, modern analytical instrumentation, as well as computation technology additionally supports objectives of the course. Prerequisite(s): SC 182.

SC 382. Organic Chemistry II. 3 Hours.
This course comprises the second semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on stereochemistry, modern instrumental methods in identification of organic compounds, energetics, reaction mechanisms, and selected applications in biochemistry. Critical analysis of structure-properties’ relationships in organic chemistry, and their applications, as well as more advanced know-how (FT-NMR or FT-IR, and UV/Vis spectroscopies) and laboratory skills (applications of semi-empirical molecular computations, and multistep synthetic procedures) are major objectives of this course. Prerequisite(s): SC 381.

SC 383. Junior Science Research Seminar. 3 Hours.
This course introduces students to careers in science, the scientific research process, and research expectations within the biology, health science, chemistry and environmental science majors. The major focus is to develop a senior research proposal on the basis of what is attainable, interesting, and meaningful. Students learn, in detail, both the limits and expectations of undergraduate research in the sciences. Students are introduced to the important role of library resources and the professional literature as they investigate their chosen topic. Students will be expected to write a resume and career goals statement, give an oral presentation on a chosen career field in science, lead a class discussion of a scientific article, and submit a written research proposal that includes a scientific literature review, problem statement or hypothesis, a timeline for completion, and detailed budget for their proposed senior thesis research. Students will also give an oral presentation on their proposed research and evaluate other student’s research proposals. Prerequisite(s): SC 224.

SC 393. Physical Chemistry. 3 Hours.
This course provides an introduction to the methods describing complex physicochemical systems and their responses to external chemical and/or physical stresses. Classical and modern theories of equilibrium and non-equilibrium thermodynamics, kinetic theory of transport phenomena, as well as quantum and statistical mechanics are introduced and applied to molecular systems and spectroscopy. Biological and biochemical problems are shown how to be formulated and solved by using principles of physical chemistry. Prerequisite(s): MS 132 and MS 181 and SC 182 and SC 272.

SC 394. Analytical Chemistry. 3 Hours.
This course is an introduction to the fundamentals of analytical chemistry. It covers sample treatment, statistical analysis of data, measurement errors, and applications of chemical equilibrium, kinetics, transport, light scattering, emission, and absorption to chemical analysis. The following analytical methods are studied: Volumetric, gravimetric, electrochemical, chromatography, and spectroscopy. The course includes lab. Prerequisite(s): MS 132 and (MS 180 or MS 181) and SC 382 and SL 382.

SC 399. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 410. Motor Learning in Human Performance. 3 Hours.
This course explores the application of learning and performance of motor skills. Topics include the scientific study of motor skills and abilities, motor control, attention and memory, motor skill learning, instruction and augmented feedback, and practice conditions. Prerequisite(s): SC 222 or SC 120.

SC 450. Physical Biochemistry. 5 Hours.
This course entails a study of the physical processes involved in living systems including thermodynamics and equilibria, kinetics and transport phenomena, and applications of quantum chemistry and spectroscopy. Prerequisite(s): SC 352 and SL 393 and MS 182 and SC 272.

SC 481. Biological Research & Laboratory Safety I. 3 Hours.
This course serves as the capstone course in the Biology major. Under supervision of the instructor, students are expected to conduct self-directed, individual laboratory or field research in biology. During this course, students will collect and analyze data, and share the results of experiments with classmates in a seminar setting. At the end of the semester, students present the final results of their research in the form of a final oral presentation and written thesis. Prerequisite(s): SC 383.

SC 482. Biological Research & Laboratory Safety II. 3 Hours.
The course serves as the continuation of the capstone course in the Biology major and is necessarily preceded by SC 481. Students who wish to continue with their laboratory or field research may elect to take this course. The emphasis during this semester will be on increasing sample size or elaborating on the research that was started in SC 481. Students will be required to share their final results with the Husson University community and at a regional or national scientific meeting. Students will be encouraged to publish their work in the peer-reviewed literature. Prerequisite(s): SC 481.

SC 490. Environmental Science Research Seminar I. 3 Hours.
Environmental Science is a dynamic, responsive, and applied discipline. In this experiential course, students explore potential careers and research areas in Environmental Science. With individual guidance from course instructors as well as collaborative study, students will develop working résumés, apply for internship positions, and synthesize the primary scientific literature in their field of interest to develop a feasible scientific research proposal. An internship in environmental science with a local, state, or federal agency or a private organization is a required component of this course; students share their internship experience with classmates and the Husson community.
SC 491. Environmental Science Research Seminar II. 3 Hours.
This course serves as the capstone course in the Environmental Science Program. With guidance from course instructors, students conduct individual, self-directed research in their field of interest within the discipline of Environmental Science. During this course, students collect, analyze, and interpret data to complete a final written thesis. Students disseminate the results of their research with classmates and the Husson community in the form of a written and oral presentation. Exceptional students are encouraged to present their research at a local, state or national conference. Prerequisite(s): SC 490.

SC 492. Senior Chemistry Research Seminar. 3 Hours.
This capstone course provides an introduction to research in chemical sciences. In the seminar setting students critically review primary literature sources and design, with help of the instructor, a serious and original research proposal in theoretical or experimental chemistry. Students discuss their ideas and applied methodology with classmates during regular weekly meetings. The approved by instructor research hypotheses are subsequently validated by experiments, field studies, or theoretical calculations. Students report and share the research findings with classmates in the seminar format. The authors of projects of very high quality will be encouraged to present their work at regional chemical conferences. Prerequisite(s): SC 393 and SC 394.

SC 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL Courses

SL 120. Functional Anatomy and Physiology Lab. 1 Hour.
Functional Anatomy and Physiology Lab is a 1 credit lab that students take at the same time as taking the lecture part of the course, SC 120. It is laboratory designed to give the non-science major knowledge of the human body and its relationship with the environment. Topics covered parallel the lecture topics in SC 120 and include: the chemical basis of life, the anatomy & physiology of all organ systems, growth, development, heredity and biotechnology issues.

SL 180. Prin of Gen Chemistry Lab I. 1 Hour.
This is a laboratory class.

SL 181. Chemistry Lab I. 1 Hour.
This is a laboratory class.

SL 182. Chemistry Lab II. 1 Hour.
This is a laboratory class.

SL 191. General Biology Lab I. 1 Hour.
This laboratory course is to be taken concurrently with SC 191. It is designed to reinforce the fundamental biology concepts discussed in lecture as well as introduce students to laboratory procedures and the basics of the scientific method.

SL 192. General Biology Lab II. 1 Hour.
This laboratory course is to be taken concurrently with SC 192. This course is designed to provide hands-on experience with plant and animal diversity, comparative anatomy and physiology, as well as the collection and analysis of lab and field data.

SL 210. Marine Biology Laboratory. 1 Hour.
Marine Biology Laboratory must be taken concurrently with Marine Biology. Laboratory activities focus on the organisms and ecosystems in the Gulf of Maine and include field trips to local marine habitats as well as laboratory investigations of local flora and fauna. Prerequisite(s): SC 191 or SC 192.

SL 221. Anat/Physiology Lab I. 1 Hour.
This is a laboratory class.

SL 222. Anatomy/Physiology Lab II. 1 Hour.
This is a laboratory course. Prerequisite(s): SL 221.

SL 240. Ecology Lab. 1 Hour.
This lab focuses on ecological research principles and is designed to complement and reinforce the topics discussed in SC 240. The labs will include reading primary literature, case-studies, identification of local flora and fauna, and field and laboratory data collection and analysis.

SL 241. Microbiology Lab. 1 Hour.
This is a laboratory class.

SL 242. Biotechnology Lab. 1 Hour.
This is a laboratory class.

SL 271. Physics Lab I. 1 Hour.
This is a laboratory class.

SL 272. Physics Lab II. 1 Hour.
This is a laboratory class.

SL 285. University Physics I (Laboratory). 1 Hour.
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.

SL 286. University Physics II Lab. 1 Hour.
This course continues the development of the basic physical concepts begun in SC285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 285 and (SC 285 or SC 271).

SL 299. Topic/. 0-3 Hours.
This course is intended to provide the opportunity to offer introductory courses in laboratory science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL 381. Organic Chemistry I Lab. 1 Hour.
This is a laboratory class. Prerequisite(s): SL 182.

SL 382. Organic Chemistry II Lab. 1 Hour.
This is a laboratory class. Prerequisite(s): SL 381.

SL 393. Physical Chemistry Lab. 2 Hours.
This course is a hands-on laboratory component of the SC 393, covering topics in kinetics, thermodynamics, transport, and spectroscopy. The laboratory exercises apply physical methods to studies of complex physicochemical phenomena. Computer simulations of molecular properties complement the measurements. Three hours of laboratory per week. Prerequisite(s): SL 182 and SL 272.
SL 394. Analytical Chemistry Lab. 2 Hours.
This course is a hands-on introduction to the fundamental techniques of analytical chemistry. It covers sample treatment and volumetric, gravimetric, electrochemical, chromatographic, and spectroscopic analytical methods. Three hours of laboratory per week are designed to supplement and reinforce the knowledge gained in the SC 394. Prerequisite(s): SL 182.

SL 399. Topic/. 0-3 Hours.
This course is intended to provide the opportunity to offer 300-level courses in laboratory sciences that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 101. Introduction to Nutrition. 3 Hours.
This course serves as an introduction to nutritional concepts and to the interconnections of health, nutrition, weight, and physical activity. This course is particularly appropriate for students with no science background.

SC 131. Human Genetics. 3 Hours.
This course is designed for nonscience majors to support the natural interest of most people in those human physical, behavioral, and social characteristics that have a hereditary basis. Lectures, discussions and the solving of simple genetic and statistical problems are used to form a basis for the consideration of current social issues with genetic implications.

Health Sciences

Features of the Program
The undergraduate Bachelor of Science degree in Health Sciences prepares

- students for graduate study in the fields of medicine, public health, or allied
- health. The program gives students the flexibility to prepare for a wide range of professional careers in health and medicine as it fulfills the general
- requirements for entry into most graduate level health professions programs.

The curriculum includes a variety of courses in science and mathematics. This allows students to tailor their degree to support their particular area of interest. The Health Sciences program is the pathway for Pre-Pharmacy students as well as for students who are not directly admitted to Husson's physical therapy, nursing, or occupational therapy programs.

SC Courses

SC 105. Headline Science. 3 Hours.
This course explores various contemporary issues in science using an integrative and societal approach. Students will study the topics from a biological, chemical, physical, and environmental perspective, and relate the significance of the scientific matter to their major field of study. This course is intended for non-science majors.

SC 120. Functional Anatomy and Physiology. 3 Hours.
Functional Anatomy and Physiology is a one semester, 3 credit lecture with a separate laboratory course designed to give the non-science major knowledge of the human body and its relationship with the environment. Topics covered include: the chemical basis of life, the anatomy & physiology of all organ systems, growth, development, heredity and biotechnology issues.

SC 134. Introduction to Geology. 3 Hours.
The course, specifically designed for the Environmental Science majors, introduces fundamentals of geology in the environmental context. The issues of local and global environmental changes are placed into a broader perspective of the functioning of the Earth system. Students are introduced into the science of Earth’s materials: rocks, minerals, soils, and waters and the processes forming them. The internal processes (plate tectonics, earthquakes, volcanoes) and surface processes (streams, flooding, coastal zones, mass movements, glaciers, winds, desertification) are presented from the point of view of their influence on the geologic hazards, and on the distribution of natural resources. The interrelation of geology and human activities is examined in such contexts as waste disposal, air pollution, water contamination, climate change, land degradation, and resource and energy consumption. The format of this course includes one local field trip, lab activities on rocks and minerals identification, and introduction to topographic and geologic maps.

SC 135. Introduction to Meteorology. 3 Hours.
This course provides the student with a basic understanding of weather phenomenon and how weather is predicted. Students will master the terminology of weather prediction; explore the water cycle, and how the sun affects weather. The course will also treat atmospheric circulation, cloud formation and identification and students will learn how to make weather assumptions based on observations of temperature, pressure, humidity, wind direction, and sky cover. Students will also learn how weather data is collected and how forecasters make predictions based on previous and current weather observations.

SC 141. Environmental Science. 3 Hours.
This course is a survey of the important topics in environmental science. Concepts of energy flow and nutrient cycling are explored in the context of human impacts upon these processes. Sources of pollution and their total effect on ecosystem and biosphere function are also explored. Management of material wastes and energy efficiency is an integral theme of the class. This class satisfies the laboratory science requirement with a series on in-class lab experiences and field trips.
SC 142. Conservation and Resource Management. 3 Hours.
This course emphasizes the basic principles of conservation that are applied to utilization and management of natural resources such as soil, water, range lands, forests, wildlife, minerals, and human populations. The study of the interrelationships between living organisms and their environment is known as ecology. This course applies ecological concepts to conservation problems and policies. Prerequisite(s): SC 141.

SC 145. Environmental Science Field Experience I. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 146. Environmental Science Field Experience II. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 147. Environmental Science Field Experience III. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 150. Astronomy of the Solar System. 3 Hours.
This is an introductory astronomy course with a virtual observing component that is intended to give the students some basic knowledge about the world in which we live. The primary objective of this class is to help the students understand the solar system. The course will present an overview of the night sky, the constellations, light - telescope and the nature of stars and the galaxies but the emphasis will be on understanding our solar system. The Sun, Earth, Moon, planets and their satellites, asteroids and comets will be studied in some detail. No mathematics or physics background is assumed in this course.

SC 151. Conceptual Physics. 3 Hours.
Conceptual Physics is an introductory physics course with an integrated lab, intended primarily for non-science majors. In this course we will study motion, mechanics, gravity, heat, electricity, magnetism, optics, atomic, nuclear and molecular physics, and relativity. We will also learn about the process by which physicists attempt to understand the intriguing laws of nature. The course will be taught using a combination of lectures, classroom demonstrations and laboratory experiments. Understanding of the fundamental concepts rather than number crunching is emphasized in this course and the equations will serve to refine the concepts and facilitate student’s thinking process. Ultimately, it is hoped that by taking this course the student will develop a better appreciation for the natural world.

SC 157. Energy and Society. 3 Hours.
This course examines the basic physical principles underlying various energy technologies and develops the quantitative skills necessary to evaluate these technologies. Students present their work in both written and oral form. The end goal of this course is to help students become citizens that have the requisite background and communication skills to intelligently participate in energy policy discussions and decisions. Topics typically include basic scientific literacy and notation, introductory physics (such as force, work, energy, power), circuit analysis, thermodynamics, various energy technologies (fossil fuels, nuclear power, solar, hydroelectric, etc.), and placing these technologies in a broader environmental, social, and economic context. This course includes an integrated laboratory in order to introduce basic laboratory skills. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 180. Principles of Gen Chemistry. 3 Hours.
This course explores fundamental quantitative and qualitative principles of inorganic, organic and biological chemistry and provides a basic understanding of theoretical and applied aspects of general chemistry. Topics in inorganic chemistry include measurement, atomic theory and chemical bonding, chemical reactions and mass relationships, kinetic theory and gas laws, acids, bases, pH and buffers. Organic chemistry will provide an overview of the nomenclature, properties and reactivity of major groups of organic compounds, while biochemistry will focus on the chemistry of carbohydrates, lipids, proteins, and enzymes. An overview of biochemical energetics, nucleic acids and protein synthesis is also included.

SC 181. Chemistry I. 3 Hours.
This introduction to chemistry provides a basic understanding of theoretical and practical aspects of inorganic chemistry. The course includes the metric system, chemical elements and symbols, the structure of the atom, chemical bonds, molecules and compounds, and chemical reactions.
SC 182. Chemistry II. 3 Hours.
This course is a continuation of Chemistry I. It focuses on organic chemistry and biochemistry and provides a background for understanding the chemical mechanisms of health and disease. Organic chemistry will emphasize the study of carbon, its special properties, and its compounds. Biochemistry will focus on the chemicals of living organisms, carbohydrates, lipids, proteins, and nucleic acids. Selected physiological topics such as energy metabolism, the genetic code, and protein synthesis are included. Prerequisite(s): SC 181.

SC 191. General Biology I. 3 Hours.
General Biology I focuses on biological principles that are fundamental to all of biology. This course covers the diversity of life and the commonalities of all living things including: molecular structure, cell structure and function, metabolism, cell division, heredity, and genetics. This course will also review the scientific process and the evaluation of scientific information. This course will prepare students for future courses in anatomy and physiology, cell biology, microbiology, biochemistry, genomic biology, and other biological specialties. This course is limited to students in programs requiring this course or are intending to take further biology courses.

SC 192. General Biology II. 3 Hours.
General Biology II is the continuation of a two-semester series in general biology for science majors. This course is designed to provide a thorough introduction to biology and prepare students for further study of evolution and ecology in SC 240. The goal of the course is to emphasize the diversity of species and for students to understand their relationship to, and their place in, the natural world. General Biology II is an introduction to the systematics, anatomy and physiology of the plant and animal kingdoms. This course will examine the structure and function of plant and animal organ systems in the framework of the evolution of adaptations. The course also concludes with an introduction to ecological systems.

SC 199. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 202. Science Immersion. 3 Hours.
This course emphasizes conservation by providing students an experiential setting that illuminates various aspects of the precarious balance between people's effect on the environment and the natural order of things. Educational goals focus on the conservation and restoration of our natural heritage so that biodiversity is not depleted.

SC 210. Marine Biology. 3 Hours.
Oceans cover more than 70% of the earth's surface and support all life on the planet. This course follows an ecological approach to consider the adaptations and interactions of plants and animals with their marine habitats, with particular emphasis on the ecosystems and organisms in the Gulf of Maine. Communities discussed include the open ocean, the deep-sea, subtidal and intertidal zones, and estuaries, as well as habitats found exclusively in tropical and polar regions. Prerequisite(s): SC 191 or SC 192.

SC 221. Anatomy and Physiology I. 3 Hours.
This course provides an in-depth understanding of the structures and functions of the human body and its parts. The course begins with the organization of the human body and descriptive terminology relating to various segments of the body. Cellular anatomy and physiology and study of tissues lead to the study of the organ systems. Topics included in the course are skin, the skeletal system, joints, the nervous system, and muscle.

SC 222. Anatomy and Physiology II. 3 Hours.
This course is a continuation of Anatomy and Physiology I. The course will provide a thorough understanding of structure-function relationships down to the molecular level. The semester will cover the special senses, blood, the cardiovascular system, lymphatics, the respiratory system, the digestive system, the urinary system, the endocrine system, and reproduction. Prerequisite(s): SC 221.

SC 224. Research Design. 3 Hours.
This course introduces basic concepts and skills needed for understanding and conducting research in the social, educational and health sciences. Students will receive a basic introduction to the fundamentals of research—what it involves, what types exist, and how to design and conduct such research. Examined are the essential terms and concepts of research necessary for students to critically evaluate research literature, develop solid research questions, and plan simple research projects. Active engagement with the research process will occur through class participation, exercises, literature reviews, development of research questions, and creation of inquiry strategies for answering research questions. Prerequisite(s): MS 132.

SC 234. Nutrition. 3 Hours.
This course examines the basic nutritional principles (biological, chemical and regulatory mechanisms); the changing nutritional requirements throughout the life cycle; the relationship between nutrition and disease; the principles of therapeutic nutrition (diet therapy) and the assessment of nutritional status. Prerequisite(s): SC 180 or SC 181.

SC 240. Ecology. 3 Hours.
This course explores the interaction of biotic and abiotic components in functioning ecosystems. It will examine topics in population distribution and dynamics, major terrestrial and aquatic habitats, community interactions such as competition and predation, nutrient cycling, energy flow, and ecosystem succession. The concurrently run lab will train students in identifying local flora and fauna, as well as collection and analysis of field data. Prerequisite(s): SC 191 and SC 192.

SC 241. Microbiology. 3 Hours.
This course provides a broad understanding of both beneficial and harmful microorganisms and their roles in human welfare. Emphasis is placed on the structure, physiology, and control of human pathogens, particularly bacteria and viruses. The lab provides experience in important techniques of culturing, identifying, and controlling microorganisms. Prerequisite(s): SC 104 and (SC 191 or SC 221).

SC 242. Biotechnology. 3 Hours.
The current explosion in wonder drugs, diagnostic tests and medical treatments has resulted, primarily, from advances in biotechnology. This course will explore the origins and current status of biotechnology and how it is applied in the world or research, product development, medical diagnosis, disease treatment and law enforcement. This course will primarily focus on those areas of biotechnology that pertain to molecular biology and biochemistry. The laboratory portion of this course will expose students to many of the techniques used in molecular biology/ biotechnology laboratories around the world. Prerequisite(s): SC 102 and SC 103.
SC 251. Astronomy. 3 Hours.
This is an introductory course that will describe, develop and create physical models for many of the observable astronomical events in the sky. The topics may include motion in the night sky, the solar system, light, stars, star groups, the origin of the universe, life in the universe, and UFO’s.

SC 261. Integrated Physical Science I. 3 Hours.
Integrated Physical Science I is the first course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning career in elementary education. Using physical environment as a theme, principles of chemistry, physics, geology, atmospheric science, and space science are introduced, and reinforced through inquiry-based lab activities and field trips. This first course of the sequence, covers fundamental concepts of chemistry and physics, which include: motion, waves and particles, energy, structure and properties of inorganic and organic matter and their mixtures, interactions of energy and matter, order and equilibrium of physical systems. Prerequisite(s): EH 123 and (MS 111 or MS 141 or MS 180 or MS 181).

SC 262. Integrated Physical Science II. 3 Hours.
Integrated Physical Science II is the second course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning careers in elementary education. Using environment as a theme, principles of physical sciences are introduced and reinforced through inquiry-based lab activities and field trips. The course covers fundamental concepts of geology, atmospheric science, and space science. Prerequisite(s): SC 261.

SC 271. Physics I. 3 Hours.
Physics I is the first course in a two semester general physics sequence. The goal of this course is to introduce the student to the concepts of force and motion, work and energy, fluids and gases, heat and thermodynamics, and periodic motion. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 180 or MS 181.

SC 272. Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 271. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): SC 271.

SC 283. Soil, Air, and Water Chemistry. 3 Hours.
An understanding of the fundamental chemistry implicit in the environment is important, but students must also be familiar with aspects of mineralogy, oceanography, soil science, sedimentology and microbiology. The course emphasizes natural geochemical processes and how they operate over a variety of scales. Topics range from global issues such as atmospheric pollution and its effect on global warming and ozone destruction to the link between microbiological populations and local and global scale nutrient and chemical cycling. The course is designed to introduce the student to that major systems and cycles in the environment and how materials and energy are cycled in these systems. Prerequisite(s): SC 181 and SC 182 and SL 181 and SL 182.

SC 285. University Physics I. 3 Hours.
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.

SC 286. University Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 181 and SC 285.

SC 291. Cell Biology. 3 Hours.
This course is a detailed exploration of cell structure and function with an emphasis on the cytoplasm and extracellular matrix. Topics in membrane structure, transmembrane transport, vesicle trafficking, cytoskeletal organization, and macromolecular assembly processes are considered. Cell to cell communications and the role of the extracellular matrix in tissue level processes are also explored. Superficial examination is given to the structure and organization of the nucleus, chromosomes and gene expression to prepare students for the companion course entitled Genomic Biology. Prerequisite(s): SC 191.

SC 292. Epidemiology. 3 Hours.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 299. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 312. Adult, Infant, and Child CPR First Aid. 3 Hours.
This is a standard American Heart and American Red Cross course in adult, infant and child emergency care of injuries and CPR. Standard certificate awarded on successful completion of course.

SC 330. Exercise Physiology. 3 Hours.
This course examines changes within the human body due to the effects of acute and chronic exercise. The student is challenged to expand both their knowledge of and appreciation of human physiological reaction, regulation, and adaptation to exercise. Prerequisite(s): SC 111 or SC 120 or SC 222.

SC 332. Physiological Ecology of Animals and Plants. 3 Hours.
This course explores the structural and functional relationships within plants and animals that make them adapted to their environment. This course uses numerous examples to illustrate how plants and animals survive given the constraints of their environment. Examples will be taken from temperate, arctic, alpine, tropical, desert, and aquatic ecosystems. Prerequisite(s): SC 191 and SC 192.
SC 333. Pathophysiology. 3 Hours.
Pathophysiology is the study of abnormal, diseased physiological processes. The course begins with an examination of altered cell functioning, injury and death. The course continues with pathophysiology of the body systems and inability of diseased systems to maintain homeostasis. Also included are topics in inflammation, immunity, neoplasia, and adaptations of the body to stress. Although aging is not considered a disease, some aspects of aging will be discussed. Prerequisite(s): SC 221 and SC 222.

SC 334. Genomic Biology. 3 Hours.
This class will explore the structure of the nucleus, patterns of inheritance (traditional genetics), the molecular mechanisms of biological information management (molecular biology), and the technologies that are used to obtain and use the information contained within genomes (genomic science). The course will trace classical genetics, chromosome maps, the structure of DNA, gene expression and regulation, and the tools of molecular biology and genomic analysis. Prerequisite(s): SC 102 and (SC 180 or SC 181).

SC 351. Oceanography. 3 Hours.
This course examines the physical and biological characteristics of the marine environment. Topics include the origin of earth and its oceans, life in the oceans, the history of oceanography, plate tectonics, the nature of water, ocean circulation, waves, tides, shorelines, and coastal regions. A large portion of the course examines the interrelationships between organisms and the marine environment, mariculture marine pollution, and pollution control.

SC 352. Biochemistry. 3 Hours.
In this offering, the student will be exposed to reductionism in the field of biology. Biochemistry overlaps and articulates with many fields of endeavor. The discipline embraces physiology, pharmacology, enzymatics, nutrition, immunology, structural biology, biotechnology, and molecular biology all at the same time. The course curriculum will focus upon the role of enzymes in guiding metabolic processes and pathways. The student will come to understand the details of biological functioning at these three levels of organization: Metabolism, metabolic pathways, enzymatic mechanisms and kinetics. Prerequisite(s): SC 102 and SC 182.

SC 360. Biomechanics & Kinesiology in Human Performance. 3 Hours.
This course examines the application of anatomical and physiological principles of kinesiology and physical movement. Topics include the scientific study of human movement, analysis of motor skills, and programs of exercise and evaluation of human performance. Prerequisite(s): SC 222 or SC 120.

SC 362. Dynamics of the Earth. 3 Hours.
This course presents the basic concepts of earth science that include a broad and nonquantitative survey at the introductory level of topics in geology, oceanography, meteorology and astronomy. In geology, the topics emphasized are plate tectonics, volcanic activity, mountain building, minerals and rocks, earthquakes, geologic time and earth history. In meteorology, the specific areas include weather elements, weather patterns and storms. The astronomy unit reviews constellations, the moon, the solar system and beyond. Laboratory activities are included to demonstrate concepts. Within each unit human use and manipulation of physical resources is examined from both a scientific and economic perspective.

SC 367. Mathematics and Physics of Sustainable Energy. 3 Hours.
In this course you will examine the basic physical principles behind the generation and consumption of electrical energy. Mathematical skills necessary to quantitatively compare different sustainable energy technologies and associated issues are developed. This course assumes no prior background in physics. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 371. Horticulture. 3 Hours.
This course presents the fundamentals of horticulture including topics such as environmental factors affecting plants, methods of growing plants, pruning, grafting, harvesting and storing, pests and horticulture plants and their control, horticulture for home grounds, and the vegetable garden. Laboratory activities enable students to practice experimental design and planting techniques used in horticulture.

SC 373. Inorganic Chemistry. 3 Hours.
This course is designed to introduce the basic principles and concepts of inorganic chemistry. The course is intended for students who wish to pursue careers in chemistry, biochemistry, pharmacology, or the life sciences. Topics to be covered include: atomic and molecular structure, experimental techniques, bonding in polyatomic, acid/base chemistry, oxidation/reduction, descriptive chemistry of hydrogen and the s, p, d, and f block elements. Prerequisite(s): SC 181 and SC 182 and MS 181.

SC 381. Organic Chemistry I. 3 Hours.
This course comprises the first semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on chemical bonding, stereochemistry, and reaction mechanisms. Chemistry, as one of the exact sciences, requires quantification. Therefore, development of the critical thinking and problem solving strategies, as well as the experimental know-how and laboratory skills are major objectives of the course. Introduction to microscale lab techniques, modern analytical instrumentation, as well as computation technology additionally supports objectives of the course. Prerequisite(s): SC 182.

SC 382. Organic Chemistry II. 3 Hours.
This course comprises the second semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on chemical bonding, stereochemistry, and reaction mechanisms, and selected applications in biochemistry. Critical analysis of structure-properties’ relationships in organic chemistry, and their applications, as well as more advanced know-how (FT-NMR or FT-IR, and UV/Vis spectroscopies) and laboratory skills (applications of semi-empirical molecular computations, and multistep synthetic procedures) are major objectives of this course. Prerequisite(s): SC 381.
SC 383. Junior Science Research Seminar. 3 Hours.
This course introduces students to careers in science, the scientific research process, and research expectations within the biology, health science, chemistry, and environmental science majors. The major focus is to develop a senior research proposal on the basis of what is attainable, interesting, and meaningful. Students learn, in detail, both the limits and expectations of undergraduate research in the sciences. Students are introduced to the important role of library resources and the professional literature as they investigate their chosen topic. Students will be expected to write a resume and career goals statement, give an oral presentation on a chosen career field in science, lead a class discussion of a scientific article, and submit a written research proposal that includes a scientific literature review, problem statement or hypothesis, a timeline for completion, and detailed budget for their proposed senior thesis research. Students will also give an oral presentation on their proposed research and evaluate other student’s research proposals. Prerequisite(s): SC 224.

SC 393. Physical Chemistry. 3 Hours.
This course provides an introduction to the methods describing complex physiochemical systems and their responses to external chemical and/or physical stresses. Classical and modern theories of equilibrium and non-equilibrium thermodynamics, kinetic theory of transport phenomena, as well as quantum and statistical mechanics are introduced and applied to molecular systems and spectroscopy. Biological and biochemical problems are shown how to be formulated and solved by using principles of physical chemistry. Prerequisite(s): MS 132 and MS 181 and SC 182 and SC 272.

SC 394. Analytical Chemistry. 3 Hours.
This course is an introduction to the fundamentals of analytical chemistry. It covers sample treatment, statistical analysis of data, measurement errors, and applications of chemical equilibrium, kinetics, transport, light scattering, emission, and absorption to chemical analysis. The following analytical methods are studied: Volumetric, gravimetric, electrochemical, chromatography, and spectroscopy. The course includes lab. Prerequisite(s): MS 132 and (MS 180 or MS 181) and SC 382 and SL 382.

SC 399. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 410. Motor Learning in Human Performance. 3 Hours.
This course explores the application of learning and performance of motor skills. Topics include the scientific study of motor skills and abilities, motor control, attention and memory, motor skill learning, instruction and augmented feedback, and practice conditions. Prerequisite(s): SC 222 or SC 120.

SC 450. Physical Biochemistry. 5 Hours.
This course entails a study of the physical processes involved in living systems including thermodynamics and equilibria, kinetics and transport phenomena, and applications of quantum chemistry and spectroscopy. Prerequisite(s): SC 352 and SL 393 and MS 182 and SC 272.

SC 481. Biological Research & Laboratory Safety I. 3 Hours.
This course serves as the capstone course in the Biology major. Under supervision of the instructor, students are expected to conduct self-directed, individual laboratory or field research in biology. During this course, students will collect and analyze data, and share the results of experiments with classmates in a seminar setting. At the end of the semester, students present the final results of their research in the form of a final oral presentation and written thesis. Prerequisite(s): SC 383.

SC 482. Biological Research & Laboratory Safety II. 3 Hours.
The course serves as the continuation of the capstone course in the Biology major and is necessarily preceded by SC 481. Students who wish to continue with their laboratory or field research may elect to take this course. The emphasis during this semester will be on increasing sample size or elaborating on the research that was started in SC 481. Students will be required to share their final results with the Husson University community and at a regional or national scientific meeting. Students will be encouraged to publish their work in the peer-reviewed literature. Prerequisite(s): SC 481.

SC 490. Environmental Science Research Seminar I. 3 Hours.
Environmental Science is a dynamic, responsive, and applied discipline. In this experiential course, students explore potential careers and research areas in Environmental Science. With individual guidance from course instructors as well as collaborative study, students will develop working résumés, apply for internship positions, and synthesize the primary scientific literature in their field of interest to develop a feasible scientific research proposal. An internship in environmental science with a local, state, or federal agency or a private organization is a required component of this course; students share their internship experience with classmates and the Husson community.

SC 491. Environmental Science Research Seminar II. 3 Hours.
This course serves as the capstone course in the Environmental Science Program. With guidance from course instructors, students conduct individual, self-directed research in their field of interest within the discipline of Environmental Science. During this course, students collect, analyze, and interpret data to complete a final written thesis. Students disseminate the results of their research with classmates and the Husson community in the form of a written and oral presentation. Exceptional students are encouraged to present their research at a local, state or national conference. Prerequisite(s): SC 490.

SC 492. Senior Chemistry Research Seminar. 3 Hours.
This capstone course provides an introduction to research in chemical sciences. In the seminar setting students critically review primary literature sources and design, with help of the instructor, a serious and original research proposal in theoretical or experimental chemistry. Students discuss their ideas and applied methodology with classmates during regular weekly meetings. The approved by instructor research hypotheses are subsequently validated by experiments, field studies, or theoretical calculations. Students report and share the research findings with classmates in the seminar format. The authors of projects of very high quality will be encouraged to present their work at regional chemical conferences. Prerequisite(s): SC 393 and SC 394.

SC 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.
SL Courses

SL 120. Functional Anatomy and Physiology Lab. 1 Hour.
Functional Anatomy and Physiology Lab is a 1 credit lab that students take at the same time as taking the lecture part of the course, SC 120. It is laboratory designed to give the non-science major knowledge of the human body and its relationship with the environment. Topics covered parallel the lecture topics in SC 120 and include: the chemical basis of life, the anatomy & physiology of all organ systems, growth, development, heredity and biotechnology issues.

SL 180. Prin of Gen Chemistry Lab I. 1 Hour.
This is a laboratory class.

SL 181. Chemistry Lab I. 1 Hour.
This is a laboratory class.

SL 182. Chemistry Lab II. 1 Hour.
This is a laboratory class.

SL 191. General Biology Lab I. 1 Hour.
This laboratory course is to be taken concurrently with SC 191. It is designed to reinforce the fundamental biology concepts discussed in lecture as well as introduce students to laboratory procedures and the basics of the scientific method.

SL 192. General Biology Lab II. 1 Hour.
This laboratory course is to be taken concurrently with SC 192. This course is designed to provide hands-on experience with plant and animal diversity, comparative anatomy and physiology, as well as the collection and analysis of lab and field data.

SL 210. Marine Biology Laboratory. 1 Hour.
Marine Biology Laboratory must be taken concurrently with Marine Biology. Laboratory activities focus on the organisms and ecosystems in the Gulf of Maine and include field trips to local marine habitats as well as laboratory investigations of local flora and fauna. Prerequisite(s): SC 191 or SC 192.

SL 221. Anat/Physiology Lab I. 1 Hour.
This is a laboratory class.

SL 222. Anatomy/Physiology Lab II. 1 Hour.
This is a laboratory course. Prerequisite(s): SL 221.

SL 240. Ecology Lab. 1 Hour.
This lab focuses on ecological research principles and is designed to complement and reinforce the topics discussed in SC 240. The labs will include reading primary literature, case-studies, identification of local flora and fauna, and field and laboratory data collection and analysis.

SL 241. Microbiology Lab. 1 Hour.
This is a laboratory class.

SL 242. Biotechnology Lab. 1 Hour.
This is a laboratory class.

SL 271. Physics Lab I. 1 Hour.
This is a laboratory class.

SL 272. Physics Lab II. 1 Hour.
This is a laboratory class.

SL 285. University Physics I (Laboratory). 1 Hour.
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.

SL 286. University Physics II Lab. 1 Hour.
This course continues the development of the basic physical concepts begun in SC285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 181 and (SC 285 or SC 271).

SL 299. Topic/. 0-3 Hours.
This course is intended to provide the opportunity to offer introductory courses in laboratory science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL 381. Organic Chemistry I Lab. 1 Hour.
This is a laboratory class. Prerequisite(s): SL 182.

SL 382. Organic Chemistry II Lab. 1 Hour.
This is a laboratory class. Prerequisite(s): SL 381.

SL 393. Physical Chemistry Lab. 2 Hours.
This course is a hands-on laboratory component of the SC 393, covering topics in kinetics, thermodynamics, transport, and spectroscopy. The laboratory exercises apply physical methods to studies of complex physicochemical phenomena. Computer simulations of molecular properties complement the measurements. Three hours of laboratory per week. Prerequisite(s): SL 182 and SL 272.

SL 394. Analytical Chemistry Lab. 2 Hours.
This course is a hands-on introduction to the fundamental techniques of analytical chemistry. It covers sample treatment and volumetric, gravimetric, electrochemical, chromatographic, and spectroscopic analytical methods. Three hours of laboratory per week are designed to supplement and reinforce the knowledge gained in the SC 394. Prerequisite(s): SL 182.

SL 399. Topic/. 0 Hours.
This course is intended to provide the opportunity to offer introductory courses in laboratory science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL 499. Topic/. 0-3 Hours.
This course is intended to provide the opportunity to offer advanced courses in laboratory science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

B.S. Health Sciences

GENERAL EDUCATION COURSES

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<tr>
<td>MS 180</td>
<td>Precalculus with Trigonometry</td>
<td>4</td>
</tr>
<tr>
<td>Select one of the following:</td>
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<td>3-4</td>
</tr>
<tr>
<td>MS 181</td>
<td>Calculus with Applications</td>
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<tr>
<td>MS Elective</td>
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<tr>
<td>MS 345</td>
<td>Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>PH 110</td>
<td>Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PY 111</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Communication Elective</td>
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</tbody>
</table>
Global Perspective Elective 3
Fine Arts Elective 3
Foreign Culture Elective 3
Open Elective 9

**SCIENCE COURSES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT 435</td>
<td>Advanced Physiology</td>
<td>3</td>
</tr>
<tr>
<td>SC 181</td>
<td>Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; SL 181</td>
<td>and Chemistry Lab I</td>
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<tr>
<td>SC 182</td>
<td>Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>&amp; SL 182</td>
<td>and Chemistry Lab II</td>
<td></td>
</tr>
<tr>
<td>SC 191</td>
<td>General Biology I</td>
<td>4</td>
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<tr>
<td>&amp; SL 191</td>
<td>and General Biology Lab I</td>
<td></td>
</tr>
<tr>
<td>SC 221</td>
<td>Anatomy and Physiology I</td>
<td>4</td>
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<tr>
<td>&amp; SL 221</td>
<td>and Anat/Physiology Lab I</td>
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<tr>
<td>SC 222</td>
<td>Anatomy and Physiology II</td>
<td>4</td>
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<tr>
<td>&amp; SL 222</td>
<td>and Anatomy/Physiology Lab II</td>
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</tbody>
</table>

Select one of the following: 3-4

- SC 192 | General Biology II & SL 192 | 4 | General Biology Lab II
- SC 291 | Cell Biology               | 4 |
- SC 224 | Research Design            | 3 |
- SC 333 | Pathophysiology            | 3 |

Select one of the following: 4

- SC 271 | Physics I & SL 271 | 4 | Physics Lab I
- SC 285 | University Physics I & SL 285 | 4 | University Physics I (Laboratory)

Select one of the following: 4

- SC 272 | Physics II & SL 272 | 4 | Physics Lab II
- SC 286 | University Physics II & SL 286 | 4 | University Physics II Lab
- SC 292 | Epidemiology           | 3 |
- SC 334 | Genomic Biology        | 3 |
- SC 481 | Biological Research & Laboratory Safety I (or 3-4) | 3-4 | Biology Elective (300+)

**Health Sciences Electives**

Please select 6 courses from the following: 18-24

- (No more than 2 may be 100 or 200-level, at least 4 must be 300-400 Level)
- HS 121 | Medical Terminology     | 3 |
- HS 301 | Introduction to Public Health | 3 |
- PT 425 | Exercise Physiology     | 3 |
- PY 141 | Human Growth and Development | 3 |
- PY 232 | Abnormal Psychology     | 3 |
- PY 340 | Physiological Psychology | 3 |
- SC 234 | Nutrition               | 3 |
- SC 241 | Microbiology            | 3 |
- SC 291 | Cell Biology            | 3 |
- SC 330 | Exercise Physiology      | 3 |
- SC 332 | Physiological Ecology of Animals and Plants (for pre-vet only, advisor approval required) | 3 |
- SC 352 | Biochemistry            | 3 |
- SC 360 | Biomechanics & Kinesiology in Human Performance | 3 |
- SC 381 | Organic Chemistry I & SL 381 | 4 | Organic Chemistry I Lab
- SC 382 | Organic Chemistry II & SL 382 | 4 | Organic Chemistry II Lab
- SC 410 | Motor Learning in Human Performance | 3 |
- SC 482 | Biological Research & Laboratory Safety II | 3 |

Total Hours 120-129

**Suggested Course Sequence**

**First Year**

<table>
<thead>
<tr>
<th>Fall Hours</th>
<th>Spring Hours</th>
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<tbody>
<tr>
<td>EH 123 3</td>
<td>EH 124 3</td>
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<tr>
<td>HE 111*** 1</td>
<td>MS 180 4</td>
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<tr>
<td>PH 110 3</td>
<td>SC 182 4 &amp; SL 182</td>
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<tr>
<td>SC 181 4</td>
<td>SC 192 3-4 &amp; SL 192 (OR SC 291)</td>
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<tr>
<td>SC 191 4</td>
<td>SC 191 4 &amp; SL 191</td>
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**Second Year**

<table>
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<th>Fall Hours</th>
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<tbody>
<tr>
<td>PY 111 3</td>
<td>EH 200 3</td>
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<tr>
<td>SC 221 4 &amp; SL 221</td>
<td>MS 132 3</td>
</tr>
<tr>
<td>Health Sciences Elective 3-4</td>
<td>SC 222 4 &amp; SL 222</td>
</tr>
<tr>
<td>MS 181 (OR Math Elective) 3-4</td>
<td>Foreign Culture and Conversation Elective 3</td>
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<tr>
<td>Health Sciences Elective 3-4</td>
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**Third Year**

<table>
<thead>
<tr>
<th>Fall Hours</th>
<th>Spring Hours</th>
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<tbody>
<tr>
<td>SC 224 3</td>
<td>MS 345 3</td>
</tr>
<tr>
<td>PT 435 3</td>
<td>SC 292 3</td>
</tr>
<tr>
<td>SC 334 3</td>
<td>Health Sciences Elective 3-4</td>
</tr>
<tr>
<td>Communications Elective 3</td>
<td>Health Sciences Elective 3-4</td>
</tr>
<tr>
<td>SC 271 &amp; SL 271 (OR SC/SL 285) 4</td>
<td>SC 272 &amp; SL 272 (OR SC/SL 286) 4</td>
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**Fourth Year**

<table>
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<tr>
<th>Fall Hours</th>
<th>Spring Hours</th>
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<tbody>
<tr>
<td>Communications Elective 3</td>
<td>SC 481 (OR Biology Elective (300+) 3-4</td>
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</table>
This course is designed for nonscience majors to support the natural biological, chemical, physical, and environmental perspective, and relate the significance of the scientific matter to their major field of study. This course is intended for non-science majors.

**SC 120. Functional Anatomy and Physiology. 3 Hours.**
Functional Anatomy and Physiology is a one semester, 3 credit lecture with a separate laboratory course designed to give the non-science major knowledge of the human body and its relationship with the environment. Topics covered include: the chemical basis of life, the anatomy & physiology of all organ systems, growth, development, heredity and biotechnology issues.

**SC 131. Human Genetics. 3 Hours.**
This course is designed for nonscience majors to support the natural interest of most people in those human physical, behavioral, and social characteristics that have a hereditary basis. Lectures, discussions and the solving of simple genetic and statistical problems are used to form a basis for the consideration of current social issues with genetic implications.

**SC Courses**

**SC 101. Introduction to Nutrition. 3 Hours.**
This course serves as an introduction to nutritional concepts and to the interconnections of health, nutrition, weight, and physical activity. This course is particularly appropriate for students with no science background.

**SC 104. Organismal Biology. 3 Hours.**
Organismal Biology is an introductory biology course with an integrated lab, intended primarily for non-science majors. This course enables the student to become aware of their role in the complex biological system in which they live. Students will learn about plant biology, animal biology and microbiology in the context of how these organisms have shaped our current state of biodiversity. Since all organisms grow, develop and subsist within an environment, topics will include how organisms survive in, and interact with other organisms within their ecological community.

**SC 105. Headline Science. 3 Hours.**
This course explores various contemporary issues in science using an integrative and societal approach. Students will study the topics from a biological, chemical, physical, and environmental perspective, and relate the significance of the scientific matter to their major field of study. This course is intended for non-science majors.

**SC 134. Introduction to Geology. 3 Hours.**
The course, specifically designed for the Environmental Science majors, introduces fundamentals of geology in the environmental context. The issues of local and global environmental changes are placed into a broader perspective of the functioning of the Earth system. Students are introduced into the science of Earth materials: rocks, minerals, soils, and waters and the processes forming them. The internal processes (plate tectonics, earthquakes, volcanoes) and surface processes (streams, flooding, coastal zones, mass movements, glaciers, winds, desertification) are presented from the point of view of their influence on the geologic hazards, and on the distribution of natural resources. The interrelation of geology and human activities is examined in such contexts as waste disposal, air pollution, water contamination, climate change, land degradation, and resource and energy consumption. The format of this course includes one local field trip, lab activities on rocks and minerals identification, and introduction to topographic and geologic maps.

**SC 135. Introduction to Meteorology. 3 Hours.**
This course provides the student with a basic understanding of weather phenomenon and how weather is predicted. Students will master the terminology of weather prediction; explore the water cycle, and how the sun affects weather. The course will also treat atmospheric circulation, cloud formation and identification and students will learn how to make weather assumptions based on observations of temperature, pressure, humidity, wind direction, and sky cover. Students will also learn how weather data is collected and how forecasters make predictions based on previous and current weather observations.

**SC 141. Environmental Science. 3 Hours.**
This course is a survey of the important topics in environmental science. Concepts of energy flow and nutrient cycling are explored in the context of human impacts upon these processes. Sources of pollution and their total effect on ecosystem and biosphere function are also explored. Management of material wastes and energy efficiency is an integral theme of the class. This class satisfies the laboratory science requirement with a series on in-class lab experiences and field trips.

**SC 142. Conservation and Resource Management. 3 Hours.**
This course emphasizes the basic principles of conservation that are applied to utilization and management of natural resources such as soil, water, range lands, forests, wildlife, minerals, and human populations. The study of the interrelationships between living organisms and their environment is known as ecology. This course applies ecological concepts to conservation problems and policies. Prerequisite(s): SC 141.

**SC 145. Environmental Science Field Experience I. 1 Hour.**
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.
SC 147. Environmental Science Field Experience III. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 146. Environmental Science Field Experience II. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 150. Astronomy of the Solar System. 3 Hours.
This is an introductory astronomy course with a virtual observing component that is intended to give the students some basic knowledge about the world in which we live. The primary objective of this class is to help the students understand the solar system. The course will present an overview of the night sky, the constellations, light - telescope and the nature of stars and the galaxies but the emphasis will be on understanding our solar system. The Sun, Earth, Moon, planets and their satellites, asteroids and comets will be studied in some detail. No mathematics or physics background is assumed in this course.

SC 151. Conceptual Physics. 3 Hours.
Conceptual Physics is an introductory physics course with an integrated lab, intended primarily for non-science majors. In this course we will study motion, mechanics, gravity, heat, electricity, magnetism, optics, atomic, nuclear and molecular physics, and relativity. We will also learn about the process by which physicists attempt to understand the intriguing laws of nature. The course will be taught using a combination of lectures, classroom demonstrations and laboratory experiments. Understanding of the fundamental concepts rather than number crunching is emphasized in this course and the equations will serve to refine the concepts and facilitate student's thinking process. Ultimately, it is hoped that by taking this course the student will develop a better appreciation for the natural world.

SC 167. Energy and Society. 3 Hours.
This course examines the basic physical principles underlying various energy technologies and develops the quantitative skills necessary to evaluate these technologies. Students present their work in both written and oral form. The end goal of this course is to help students become citizens that have the requisite background and communication skills to intelligently participate in energy policy discussions and decisions. Topics typically include basic scientific literacy and notation, introductory physics (such as force, work, energy, power), circuit analysis, thermodynamics, various energy technologies (fossil fuels, nuclear power, solar, hydroelectric, etc.), and placing these technologies in a broader environmental, social, and economic context. This course includes an integrated laboratory in order to introduce basic laboratory skills. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 180. Principles of Gen Chemistry. 3 Hours.
This course explores fundamental quantitative and qualitative principles of inorganic, organic and biological chemistry and provides a basic understanding of theoretical and applied aspects of general chemistry. Topics in inorganic chemistry include measurement, atomic theory and chemical bonding, chemical reactions and mass relationships, kinetic theory and gas laws, acids, bases, pH and buffers. Organic chemistry will provide an overview of the nomenclature, properties and reactivity of major groups of organic compounds, while biochemistry will focus on the chemistry of carbohydrates, lipids, proteins, and enzymes. An overview of biochemical energetics, nucleic acids and protein synthesis is also included.

SC 181. Chemistry I. 3 Hours.
This introduction to chemistry provides a basic understanding of theoretical and practical aspects of inorganic chemistry. The course includes the metric system, chemical elements and symbols, the structure of the atom, chemical bonds, molecules and compounds, and chemical reactions.

SC 182. Chemistry II. 3 Hours.
This course is a continuation of Chemistry I. It focuses on organic chemistry and biochemistry and provides a background for understanding the chemical mechanisms of health and disease. Organic chemistry will emphasize the study of carbon, its special properties, and its compounds. Biochemistry will focus on the chemicals of living organisms, carbohydrates, lipids, proteins, and nucleic acids. Selected physiological topics such as energy metabolism, the genetic code, and protein synthesis are included. Prerequisite(s): SC 181.

SC 191. General Biology I. 3 Hours.
General Biology I focuses on biological principles that are fundamental to all of biology. This course covers the diversity of life and the commonalities of all living things including: molecular structure, cell structure and function, metabolism, cell division, heredity, and genetics. This course will also review the scientific process and the evaluation of scientific information. This course will prepare students for future courses in anatomy and physiology, cell biology, microbiology, biochemistry, genomic biology, and other biological specialties. This course is limited to students in programs requiring this course or are intending to take further biology courses.
SC 192. General Biology II. 3 Hours.
General Biology II is the continuation of a two-semester series in general biology for science majors. This course is designed to provide a thorough introduction to biology and prepare students for further study of evolution and ecology in SC 240. The goal of the course is to emphasize the diversity of species and for students to understand their relationship to, and their place in, the natural world. General Biology II is an introduction to the systematics, anatomy and physiology of the plant and animal kingdoms. This course will examine the structure and function of plant and animal organ systems in the framework of the evolution of adaptations. The course also concludes with an introduction to ecological systems.

SC 199. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 202. Science Immersion. 3 Hours.
This course emphasizes conservation by providing students an experiential setting that illuminates various aspects of the precarious balance between people's effect on the environment and the natural order of things. Educational goals focus on the conservation and restoration of our natural heritage so that biodiversity is not depleted.

SC 210. Marine Biology. 3 Hours.
Oceans cover more than 70% of the earth's surface and support all life on the planet. This course follows an ecological approach to consider the adaptations and interactions of plants and animals with their marine habitats, with particular emphasis on the ecosystems and organisms in the Gulf of Maine. Communities discussed include the open ocean, the deep-sea, subtidal and intertidal zones, and estuaries, as well as habitats found exclusively in tropical and polar regions. Prerequisite(s): SC 191 or SC 192.

SC 221. Anatomy and Physiology I. 3 Hours.
This course provides an in-depth understanding of the structures and functions of the human body and its parts. The course begins with the organization of the human body and descriptive terminology relating to various segments of the body. Cellular anatomy and physiology and study of tissues lead to the study of the organ systems. Topics included in the course are skin, the skeletal system, joints, the nervous system, and muscle.

SC 222. Anatomy and Physiology II. 3 Hours.
This course is a continuation of Anatomy and Physiology I. The course will provide a thorough understanding of structure-function relationships down to the molecular level. The semester will cover the special senses, blood, the cardiovascular system, lymphatics, the respiratory system, the digestive system, the urinary system, the endocrine system, and reproduction. Prerequisite(s): SC 221.

SC 224. Research Design. 3 Hours.
This course introduces basic concepts and skills needed for understanding and conducting research in the social, educational and health sciences. Students will receive a basic introduction to the fundamentals of research—what it involves, what types exist, and how to design and conduct such research. Examined are the essential terms and concepts of research necessary for students to critically evaluate research literature, develop solid research questions, and plan simple research projects. Active engagement with the research process will occur through class participation, exercises, literature reviews, development of research questions, and creation of inquiry strategies for answering research questions. Prerequisite(s): MS 132.

SC 234. Nutrition. 3 Hours.
This course examines the basic nutritional principles (biological, chemical and regulatory mechanisms); the changing nutritional requirements throughout the life cycle; the relationship between nutrition and disease; the principles of therapeutic nutrition (diet therapy) and the assessment of nutritional status. Prerequisite(s): SC 180 or SC 181.

SC 240. Ecology. 3 Hours.
This course explores the interaction of biotic and abiotic components in functioning ecosystems. It will examine topics in population distribution and dynamics, major terrestrial and aquatic habitats, community interactions such as competition and predation, nutrient cycling, energy flow, and ecosystem succession. The concurrently run lab will train students in identifying local flora and fauna, as well as collection and analysis of field data. Prerequisite(s): SC 191 and SC 192.

SC 241. Microbiology. 3 Hours.
This course provides a broad understanding of both beneficial and harmful microorganisms and their roles in human welfare. Emphasis is placed on the structure, physiology, and control of human pathogens, particularly bacteria and viruses. The lab provides experience in important techniques of culturing, identifying, and controlling microorganisms. Prerequisite(s): SC 104 and (SC 191 or SC 221).

SC 242. Biotechnology. 3 Hours.
The current explosion in wonder drugs, diagnostic tests and medical treatments has resulted, primarily, from advances in biotechnology. This course will explore the origins and current status of biotechnology and how it is applied in the world or research, product development, medical diagnosis, disease treatment and law enforcement. This course will primarily focus on those areas of biotechnology that pertain to molecular biology and biochemistry. The laboratory portion of this course will expose students to many of the techniques used in molecular biology/biotechnology laboratories around the world. Prerequisite(s): SC 102 and SC 103.

SC 251. Astronomy. 3 Hours.
This is an introductory course that will describe, develop and create physical models for many of the observable astronomical events in the sky. The topics may include motion in the night sky, the solar system, light, stars, star groups, the origin of the universe, life in the universe, and UFO's.

SC 261. Integrated Physical Science I. 3 Hours.
Integrated Physical Science I is the first course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning career in elementary education. Using physical environment as a theme, principles of chemistry, physics, geology, atmospheric science, and space science are introduced, and reinforced through inquiry-based lab activities and field trips. This first course of the sequence, covers fundamental concepts of chemistry and physics, which include: motion, waves and particles, energy, structure and properties of inorganic and organic matter and their mixtures, interactions of energy and matter, order and equilibrium of physical systems. Prerequisite(s): EH 123 and (MS 111 or MS 141 or MS 180 or MS 181).

SC 262. Integrated Physical Science II. 3 Hours.
Integrated Physical Science II is the second course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning careers in elementary education. Using environment as a theme, principles of physical sciences are introduced and reinforced through inquiry-based lab activities and field trips. The course covers fundamental concepts of geology, atmospheric science, and space science. Prerequisite(s): SC 261.
SC 271. Physics I. 3 Hours.
Physics I is the first course in a two semester general physics sequence. The goal of this course is to introduce the student to the concepts of force and motion, work and energy, fluids and gases, heat and thermodynamics, and periodic motion. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 180 or MS 181.

SC 272. Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 271. Topics include electricity and magnetism, optics, atomic theory, relativity. Quantum mechanics, nuclear physics, and elementary particles. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. Prerequisite(s): SC 271.

SC 283. Soil, Air, and Water Chemistry. 3 Hours.
An understanding of the fundamental chemistry implicit in the environment is important, but students must also be familiar with aspects of mineralogy, oceanography, soil science, sedimentology and microbiology. The course emphasizes natural geochemical processes and how they operate over a variety of scales. Topics range from global issues such as atmospheric pollution and its effect on global warming and ozone destruction to the link between microbiological populations and local and global scale nutrient and chemical cycling. The course is designed to introduce the student to that major systems and cycles in the environment and how materials and energy are cycled in these systems. Prerequisite(s): SC 181 and SC 182 and SL 181 and SL 182.

SC 285. University Physics I. 3 Hours.
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.

SC 286. University Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 181 and SC 285.

SC 291. Cell Biology. 3 Hours.
This course is a detailed exploration of cell structure and function with an emphasis on the cytoplasm and extracellular matrix. Topics in membrane structure, transmembrane transport, vesicle trafficking, cytoskeletal organization, and macromolecular assembly processes are considered. Cell to cell communications and the role of the extracellular matrix in tissue level processes are also explored. Superficial examination is given to the structure and organization of the nucleus, chromosomes and gene expression to prepare students for the companion course entitled Genomic Biology. Prerequisite(s): SC 191.

SC 292. Epidemiology. 3 Hours.
Basic concepts of epidemiology and methods for identification of factors influencing health and disease in human populations. Considerations are centered on physical, biological, psychosocial and cultural factors in relation to infectious and noninfectious diseases; interactions between agent, host, and environmental factors as determinants of health and disease; application of the epidemiologic approach to health services; and retrospective and prospective analysis of morbidity data. Instruction is by lecture, laboratory exercises and seminars.

SC 299. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 312. Adult, Infant, and Child CPR First Aid. 3 Hours.
This is a standard American Heart and American Red Cross course in adult, infant and child emergency care of injuries and CPR. Standard certificate awarded on successful completion of course.

SC 330. Exercise Physiology. 3 Hours.
This course examines changes within the human body due to the effects of acute and chronic exercise. The student is challenged to expand both their knowledge of and appreciation of human physiological reaction, regulation, and adaptation to exercise. Prerequisite(s): SC 111 or SC 120 or SC 222.

SC 332. Physiological Ecology of Animals and Plants. 3 Hours.
This course explores the structural and functional relationships within plants and animals that make them adapted to their environment. This course uses numerous examples to illustrate how plants and animals survive given the constraints of their environment. Examples will be taken from temperate, arctic, alpine, tropical, desert, and aquatic ecosystems. Prerequisite(s): SC 191 and SC 192.

SC 333. Pathophysiology. 3 Hours.
Pathophysiology is the study of abnormal, diseased physiological processes. The course begins with an examination of altered cell functioning, injury and death. The course continues with pathophysiology of the body systems and inability of diseased systems to maintain homeostasis. Also included are topics in inflammation, immunity, neoplasia, and adaptations of the body to stress. Although aging is not considered a disease, some aspects of aging will be discussed. Prerequisite(s): SC 221 and SC 222.

SC 334. Genomic Biology. 3 Hours.
This class will explore the structure of the nucleus, patterns of inheritance (traditional genetics), the molecular mechanisms of biological information management (molecular biology), and the technologies that are used to obtain and use the information contained within genomes (genomic science). The course will trace classical genetics, chromosome maps, the structure of DNA, gene expression and regulation, and the tools of molecular biology and genomic analysis. Prerequisite(s): SC 102 and (SC 180 or SC 181).

SC 351. Oceanography. 3 Hours.
This course examines the physical and biological characteristics of the marine environment. Topics include the origin of earth and its oceans, life in the oceans, the history of oceanography, plate tectonics, the nature of water, ocean circulation, waves, tides, shorelines, and coastal regions. A large portion of the course examines the interrelationships between organisms and the marine environment, mariculture marine pollution, and pollution control.

SC 352. Biochemistry. 3 Hours.
In this offering, the student will be exposed to reductionism in the field of biology. Biochemistry overlaps and articulates with many fields of endeavor. The discipline embraces physiology, pharmacology, enzymatics, nutrition, immunology, structural biology, biotechnology, and molecular biology all at the same time. The course curriculum will focus upon the role of enzymes in guiding metabolic processes and pathways. The student will come to understand the details of biological functioning at these three levels of organization: Metabolism, metabolic pathways, enzymatic mechanisms and kinetics. Prerequisite(s): SC 102 and SC 182.
SC 360. Biomechanics & Kinesiology in Human Performance. 3 Hours.
This course examines the application of anatomical and physiological principles of kinesiology and physical movement. Topics include the scientific study of human movement, analysis of motor skills, and programs of exercise and evaluation of human performance. Prerequisite(s): SC 222 or SC 120.

SC 362. Dynamics of the Earth. 3 Hours.
This course presents the basic concepts of earth science that include a broad and nonquantitative survey at the introductory level of topics in geology, oceanography, meteorology and astronomy. In geology, the topics emphasized are plate tectonics, volcanic activity, mountain building, minerals and rocks, earthquakes, geologic time and earth history. In meteorology, the specific areas include weather elements, weather patterns and storms. The astronomy unit reviews constellations, the moon, the solar system and beyond. Laboratory activities are included to demonstrate concepts. Within each unit human use and manipulation of physical resources is examined from both a scientific and economic perspective.

SC 367. Mathematics and Physics of Sustainable Energy. 3 Hours.
In this course you will examine the basic physical principles behind the generation and consumption of electrical energy. Mathematical skills necessary to quantitatively compare different sustainable energy technologies and associated issues are developed. This course assumes no prior background in physics. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 371. Horticulture. 3 Hours.
This course presents the fundamentals of horticulture including topics such as environmental factors affecting plants, methods of growing plants, pruning, grafting, harvesting and storing, pests and horticulture plants and their control, horticulture for home grounds, and the vegetable garden. Laboratory activities enable students to practice experimental design and planting techniques used in horticulture.

SC 373. Inorganic Chemistry. 3 Hours.
This course is designed to introduce the basic principles and concepts of inorganic chemistry. The course is intended for students who wish to pursue careers in chemistry, biochemistry, pharmacology, or the life sciences. Topics to be covered include: atomic and molecular structure, experimental techniques, bonding in polyatomic, acid/base chemistry, oxidation/reduction, descriptive chemistry of hydrogen and the s, p, d, and f block elements. Prerequisite(s): SC 181 and SC 182 and MS 181.

SC 381. Organic Chemistry I. 3 Hours.
This course comprises the first semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on chemical bonding, stereochemistry, and reaction mechanisms. Chemistry, as one of the exact sciences, requires quantification. Therefore, development of the critical thinking and problem solving strategies, as well as the experimental know-how and laboratory skills are major objectives of the course. Introduction to microscale lab techniques, modern analytical instrumentation, as well as computation technology additionally supports objectives of the course. Prerequisite(s): SC 182.

SC 382. Organic Chemistry II. 3 Hours.
This course comprises the second semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on stereochemistry, modern instrumental methods in identification of organic compounds, energetics, reaction mechanisms, and selected applications in biochemistry. Critical analysis of structure-properties' relationships in organic chemistry, and their applications, as well as more advanced know-how (FT-NMR or FT-IR, and UV/Vis spectroscopies) and laboratory skills (applications of semi-empirical molecular computations, and multistep synthetic procedures) are major objectives of this course. Prerequisite(s): SC 381.

SC 383. Junior Science Research Seminar. 3 Hours.
This course introduces students to careers in science, the scientific research process, and research expectations within the biology, health science, chemistry and environmental science majors. The major focus is to develop a senior research proposal on the basis of what is attainable, interesting, and meaningful. Students learn, in detail, both the limits and expectations of undergraduate research in the sciences. Students are introduced to the important role of library resources and the professional literature as they investigate their chosen topic. Students will be expected to write a resume and career goals statement, give an oral presentation on a chosen career field in science, lead a class discussion of a scientific article, and submit a written research proposal that includes a scientific literature review, problem statement or hypothesis, a timeline for completion, and detailed budget for their proposed senior thesis research. Students will also give an oral presentation on their proposed research and evaluate other student’s research proposals. Prerequisite(s): SC 224.

SC 393. Physical Chemistry. 3 Hours.
This course provides an introduction to the methods describing complex physiochemical systems and their responses to external chemical and/or physical stresses. Classical and modern theories of equilibrium and non-equilibrium thermodynamics, kinetic theory of transport phenomena, as well as quantum and statistical mechanics are introduced and applied to molecular systems and spectroscopy. Biological and biochemical problems are shown how to be formulated and solved by using principles of physical chemistry. Prerequisite(s): MS 132 and MS 181 and SC 182 and SC 272.

SC 394. Analytical Chemistry. 3 Hours.
This course is an introduction to the fundamentals of analytical chemistry. It covers sample treatment, statistical analysis of data, measurement errors, and applications of chemical equilibrium, kinetics, transport, light scattering, emission, and absorption to chemical analysis. The following analytical methods are studied: Volumetric, gravimetric, electrochemical, chromatography, and spectroscopy. The course includes lab. Prerequisite(s): MS 132 and (MS 180 or MS 181) and SC 382 and SL 382.

SC 399. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 410. Motor Learning in Human Performance. 3 Hours.
This course explores the application of learning and performance of motor skills. Topics include the scientific study of motor skills and abilities, motor control, attention and memory, motor skill learning, instruction and augmented feedback, and practice conditions. Prerequisite(s): SC 222 or SC 120.
SC 450. Physical Biochemistry. 5 Hours.
This course entails a study of the physical processes involved in living systems including thermodynamics and equilibria, kinetics and transport phenomena, and applications of quantum chemistry and spectroscopy. Prerequisite(s): SC 352 and SL 393 and MS 182 and SC 272.

SC 481. Biological Research & Laboratory Safety I. 3 Hours.
This course serves as the capstone course in the Biology major. Under supervision of the instructor, students are expected to conduct self-directed, individual laboratory or field research in biology. During this course, students will collect and analyze data, and share the results of experiments with classmates in a seminar setting. At the end of the semester, students present the final results of their research in the form of a final oral presentation and written thesis. Prerequisite(s): SC 383.

SC 482. Biological Research & Laboratory Safety II. 3 Hours.
The course serves as the continuation of the capstone course in the Biology major and is necessarily preceded by SC 481. Students who wish to continue with their laboratory or field research may elect to take this course. The emphasis during this semester will be on increasing sample size or elaborating on the research that was started in SC 481. Students will be required to share their final results with the Husson University community and at a regional or national scientific meeting. Students will be encouraged to publish their work in the peer-reviewed literature. Prerequisite(s): SC 481.

SC 490. Environmental Science Research Seminar I. 3 Hours.
Environmental Science is a dynamic, responsive, and applied discipline. In this experiential course, students explore potential careers and research areas in Environmental Science. With individual guidance from course instructors as well as collaborative study, students will develop working résumés, apply for internship positions, and synthesize the primary scientific literature in their field of interest to develop a feasible scientific research proposal. An internship in environmental science with a local, state, or federal agency or a private organization is a required component of this course; students share their internship experience with classmates and the Husson community.

SC 491. Environmental Science Research Seminar II. 3 Hours.
This course serves as the capstone course in the Environmental Science Program. With guidance from course instructors, students conduct individual, self-directed research in their field of interest within the discipline of Environmental Science. During this course, students collect, analyze, and interpret data to complete a final written thesis. Students disseminate the results of their research with classmates and the Husson community in the form of a written and oral presentation. Exceptional students are encouraged to present their research at a local, state or national conference. Prerequisite(s): SC 490.

SC 492. Senior Chemistry Research Seminar. 3 Hours.
This capstone course provides an introduction to research in chemical sciences. In the seminar setting students critically review primary literature sources and design, with help of the instructor, a serious and original research proposal in theoretical or experimental chemistry. Students discuss their ideas and applied methodology with classmates during regular weekly meetings. The approved by instructor research hypotheses are subsequently validated by experiments, field studies, or theoretical calculations. Students report and share the research findings with classmates in the seminar format. The authors of projects of very high quality will be encouraged to present their work at regional chemical conferences. Prerequisite(s): SC 393 and SC 394.

SC 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL Courses
SL 120. Functional Anatomy and Physiology Lab. 1 Hour.
Functional Anatomy and Physiology Lab is a 1 credit lab that students take at the same time as taking the lecture part of the course, SC 120. It is laboratory designed to give the non-science major knowledge of the human body and its relationship with the environment. Topics covered parallel the lecture topics in SC 120 and include: the chemical basis of life, the anatomy & physiology of all organ systems, growth, development, heredity and biotechnology issues.

SL 180. Prin of Gen Chemistry Lab I. 1 Hour.
This is a laboratory class.

SL 181. Chemistry Lab I. 1 Hour.
This is a laboratory class.

SL 182. Chemistry Lab II. 1 Hour.
This is a laboratory class.

SL 191. General Biology Lab I. 1 Hour.
This laboratory course is to be taken concurrently with SC 191. It is designed to reinforce the fundamental biology concepts discussed in lecture as well as introduce students to laboratory procedures and the basics of the scientific method.

SL 192. General Biology Lab II. 1 Hour.
This laboratory course is to be taken concurrently with SC 192. This course is designed to provide hands-on experience with plant and animal diversity, comparative anatomy and physiology, as well as the collection and analysis of lab and field data.

SL 210. Marine Biology Laboratory. 1 Hour.
Marine Biology Laboratory must be taken concurrently with Marine Biology. Laboratory activities focus on the organisms and ecosystems in the Gulf of Maine and include field trips to local marine habitats as well as laboratory investigations of local flora and fauna. Prerequisite(s): SC 191 or SC 192.

SL 221. Anat/Physiology Lab I. 1 Hour.
This is a laboratory class.

SL 222. Anatomy/Physiology Lab II. 1 Hour.
This is a laboratory course. Prerequisite(s): SL 221.

SL 240. Ecology Lab. 1 Hour.
This lab focuses on ecological research principles and is designed to complement and reinforce the topics discussed in SC 240. The labs will include reading primary literature, case-studies, identification of local flora and fauna, and field and laboratory data collection and analysis.

SL 241. Microbiology Lab. 1 Hour.
This is a laboratory class.

SL 242. Biotechnology Lab. 1 Hour.
This is a laboratory class.

SL 271. Physics Lab I. 1 Hour.
This is a laboratory class.

SL 272. Physics Lab II. 1 Hour.
This is a laboratory class.
SL 285. University Physics I (Laboratory). 1 Hour.
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.

SL 286. University Physics II Lab. 1 Hour.
This course continues the development of the basic physical concepts begun in SC285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 181 and (SC 285 or SC 271).

SL 299. Topic/. 0-3 Hours.
This course is intended to provide the opportunity to offer introductory courses in laboratory science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL 381. Organic Chemistry I Lab. 1 Hour.
This is a laboratory class. Prerequisite(s): SL 182.

SL 382. Organic Chemistry II Lab. 1 Hour.
This is a laboratory class. Prerequisite(s): SL 381.

SL 393. Physical Chemistry Lab. 2 Hours.
This course is a hands-on laboratory component of the SC 393, covering topics in kinetics, thermodynamics, transport, and spectroscopy. The laboratory exercises apply physical methods to studies of complex physicochemical phenomena. Computer simulations of molecular properties complement the measurements. Three hours of laboratory per week. Prerequisite(s): SL 182 and SL 272.

SL 394. Analytical Chemistry Lab. 2 Hours.
This course is a hands-on introduction to the fundamental techniques of analytical chemistry. It covers sample treatment and volumetric, gravimetric, electrochemical, chromatographic, and spectroscopic analytical methods. Three hours of laboratory per week are designed to supplement and reinforce the knowledge gained in the SC 394. Prerequisite(s): SL 182.

SL 399. Topic/. 0 Hours.
This course is intended to provide the opportunity to offer introductory courses in laboratory sciences that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL 499. Topic/. 0-3 Hours.
This course is intended to provide the opportunity to offer advanced courses in laboratory science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

B.S. in Health Sciences - Pre Pharmacy

GENERAL EDUCATION COURSES
CM 100 Speech 3
EH 123 Rhetoric and Composition I 3
EH 124 Rhetoric and Composition II 3
EH 200 Approaches to Literature 3
HE 111 The Husson Experience 1

MS 132 Probability and Statistics 3
MS 181 Calculus with Applications 4
MS 345 Biostatistics 3
PH 110 Introduction to Ethics 3
PY 111 General Psychology 3
SC 224 Research Design 3
Fine Arts Elective 3
Foreign Culture Elective 3
Global Perspective Elective 3

SCIENCE COURSES
PT 435 Advanced Physiology 3
SC 181 Chemistry I & SL 181 and Chemistry Lab I 4
SC 182 Chemistry II & SL 182 and Chemistry Lab II 4
SC 191 General Biology I & SL 191 and General Biology Lab I 4
SC 192 General Biology II & SL 192 and General Biology Lab II 4
SC 221 Anatomy and Physiology I & SL 221 and Anat/Physiology Lab I 4
SC 222 Anatomy and Physiology II & SL 222 and Anatomy/Physiology Lab II 4
Select one of the following: 4
SC 271 Physics I & SL 271 and Physics Lab I
SC 285 University Physics I & SL 285 and University Physics I (Laboratory)
Select one of the following: 4
SC 272 Physics II & SL 272 and Physics Lab II
SC 286 University Physics II & SL 286 and University Physics II Lab
SC 233 Pathophysiology 3
SC 334 Genomic Biology 3
SC 292 Epidemiology 3
SC 381 Organic Chemistry I & SL 381 and Organic Chemistry I Lab 4
SC 382 Organic Chemistry II & SL 382 and Organic Chemistry II Lab 4
SC 383 Junior Science Research Seminar 3
SC 481 Biological Research & Laboratory Safety I 3

HEALTH SCIENCE ELECTIVES
Please select 4 courses from the following: 12
(No more than 2 may be 200 level, at least 2 must be 300-400 level)
PT 425 Exercise Physiology
PT 450 Neuropsychology
SC 234 Nutrition
SC 241 Microbiology & SL 241 and Microbiology Lab
SC 291 Cell Biology
SC 330 Exercise Physiology
SC 352 Biochemistry
Husson University

SC 360  Biomechanics & Kinesiology in Human Performance
SC 393  Physical Chemistry
SC 410  Motor Learning in Human Performance
SC 482  Biological Research & Laboratory Safety II

OTHER
Choose one of the following:

BA 210  Economics Overview for Non-Business Majors
BA 211  Microeconomics
BA 212  Macroeconomics

Suggested open electives:

HS 301  Introduction to Public Health
MI 210  Basic Database Design and Implementation
MS 332  Applied Statistics
PY 141  Human Growth and Development
PY 340  Physiological Psychology

Total Hours: 120

Suggested Course Sequence

First Year

Fall  Hours  Spring  Hours
EH 123  3  MS 132  3
SC 191  & SL 191  4  SC 192  & SL 192  4
Foreign Culture and Conversation Elective  3  SC 182  & SL 182  4
SC 181  & SL 181  4  EH 124  3
HE 111***  1  Global Perspectives Elective  3

15  17

Second Year

Fall  Hours  Spring  Hours
PY 111  3  CM 100  3
SC 221  & SL 221  4  SC 382  & SL 382  4
SC 381  & SL 381  4  MS 181  4
BA 210 (OR BA 211 OR BA 212)  3  SC 222  & SL 222  4

14  15

Third Year

Fall  Hours  Spring  Hours
SC 224  3  MS 345  3
SC 334  3  Health Science Elective  3
Health Sciences Elective  3  EH 200  3

Fourth Year

Fall  Hours  Spring  Hours
SC 383  3  SC 481  3
Fine Arts Elective  3  PH 110  3
SC 233  3  Health Science Elective  3
Open Elective  3  Open Elective  3
Health Science Elective  3

15  12

Total Hours: 120

*** Credit may not be required for degree completion.

SC Courses

SC 101. Introduction to Nutrition. 3 Hours.
This course serves as an introduction to nutritional concepts and to
the interconnections of health, nutrition, weight, and physical activity.
This course is particularly appropriate for students with no science
background.

SC 104. Organismal Biology. 3 Hours.
Organismal Biology is an introductory biology course with an integrated
lab, intended primarily for non-science majors. This course enables the
student to become aware of their role in the complex biological system
in which they live. Students will learn about plant biology, animal biology
and microbiology in the context of how these organisms have shaped
our current state of biodiversity. Since all organisms grow, develop and
subsist within an environment, topics will include how organisms survive
in, and interact with other organisms within their ecological community.

SC 105. Headline Science. 3 Hours.
This course explores various contemporary issues in science using an
integrative and societal approach. Students will study the topics from a
biological, chemical, physical, and environmental perspective, and relate
the significance of the scientific matter to their major field of study. This
course is intended for non-science majors.

SC 120. Functional Anatomy and Physiology. 3 Hours.
Functional Anatomy and Physiology is a one semester, 3 credit lecture
with a separate laboratory course designed to give the non-science major
knowledge of the human body and its relationship with the environment.
Topics covered include: the chemical basis of life, the anatomy &
physiology of all organ systems, growth, development, heredity and
biotechnology issues.

SC 131. Human Genetics. 3 Hours.
This course is designed for nonscience majors to support the natural
interest of most people in those human physical, behavioral, and social
characteristics that have a hereditary basis. Lectures, discussions
and the solving of simple genetic and statistical problems are used to
form a basis for the consideration of current social issues with genetic
implications.
SC 134. Introduction to Geology. 3 Hours.
The course, specifically designed for the Environmental Science majors, introduces fundamentals of geology in the environmental context. The issues of local and global environmental changes are placed into a broader perspective of the functioning of the Earth system. Students are introduced into the science of Earth's materials: rocks, minerals, soils, and waters and the processes forming them. The internal processes (plate tectonics, earthquakes, volcanoes) and surface processes (streams, flooding, coastal zones, mass movements, glaciers, winds, desertification) are presented from the point of view of their influence on the geologic hazards, and on the distribution of natural resources. The interrelation of geology and human activities is examined in such contexts as waste disposal, air pollution, water contamination, climate change, land degradation, and resource and energy consumption. The format of this course includes one local field trip, lab activities on rocks and minerals identification, and introduction to topographic and geologic maps.

SC 135. Introduction to Meteorology. 3 Hours.
This course provides the student with a basic understanding of weather phenomenon and how weather is predicted. Students will master the terminology of weather prediction, explore the water cycle, and how the sun affects weather. The course will also treat atmospheric circulation, cloud formation and identification and students will learn how to make weather assumptions based on observations of temperature, pressure, humidity, wind direction, and sky cover. Students will also learn how weather data is collected and how forecasters make predictions based on previous and current weather observations.

SC 141. Environmental Science. 3 Hours.
This course is a survey of the important topics in environmental science. Concepts of energy flow and nutrient cycling are explored in the context of human impacts upon these processes. Sources of pollution and their total effect on ecosystem and biosphere function are also explored. Management of material wastes and energy efficiency is an integral theme of the class. This class satisfies the laboratory science requirement with a series on in-class lab experiences and field trips.

SC 142. Conservation and Resource Management. 3 Hours.
This course emphasizes the basic principles of conservation that are applied to utilization and management of natural resources such as soil, water, range lands, forests, wildlife, minerals, and human populations. The study of the interrelationships between living organisms and their environment is known as ecology. This course applies ecological concepts to conservation problems and policies. Prerequisite(s): SC 141.

SC 145. Environmental Science Field Experience I. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 146. Environmental Science Field Experience II. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 147. Environmental Science Field Experience III. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 150. Astronomy of the Solar System. 3 Hours.
This is an introductory astronomy course with a virtual observing component that is intended to give the students some basic knowledge about the world in which we live. The primary objective of this class is to help the students understand the solar system. The course will present an overview of the night sky, the constellations, light -telescope and the nature of stars and the galaxies but the emphasis will be on understanding our solar system. The Sun, Earth, Moon, planets and their satellites, asteroids and comets will be studied in some detail. No mathematics or physics background is assumed in this course.

SC 151. Conceptual Physics. 3 Hours.
Conceptual Physics is an introductory physics course with an integrated lab, intended primarily for non-science majors. In this course we will study motion, mechanics, gravity, heat, electricity, magnetism, optics, atomic, nuclear and molecular physics, and relativity. We will also learn about the process by which physicists attempt to understand the intriguing laws of nature. The course will be taught using a combination of lectures, classroom demonstrations and laboratory experiments. Understanding of the fundamental concepts rather than number crunching is emphasized in this course and the equations will serve to refine the concepts and facilitate student’s thinking process. Ultimately, it is hoped that by taking this course the student will develop a better appreciation for the natural world.
SC 167. Energy and Society. 3 Hours.
This course examines the basic physical principles underlying various energy technologies and develops the quantitative skills necessary to evaluate these technologies. Students present their work in both written and oral form. The end goal of this course is to help students become citizens that have the requisite background and communication skills to intelligently participate in energy policy discussions and decisions. Topics typically include basic scientific literacy and notation, introductory physics (such as force, work, energy, power), circuit analysis, thermodynamics, various energy technologies (fossil fuels, nuclear power, solar, hydroelectric, etc.), and placing these technologies in a broader environmental, social, and economic context. This course includes an integrated laboratory in order to introduce basic laboratory skills. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 180. Principles of Gen Chemistry. 3 Hours.
This course explores fundamental quantitative and qualitative principles of inorganic, organic and biological chemistry and provides a basic understanding of theoretical and applied aspects of general chemistry. Topics in inorganic chemistry include measurement, atomic theory and chemical bonding, chemical reactions and mass relationships, kinetic theory and gas laws, acids, bases, pH and buffers. Organic chemistry will provide an overview of the nomenclature, properties and reactivity of major groups of organic compounds, while biochemistry will focus on the chemistry of carbohydrates, lipids, proteins, and enzymes. An overview of biochemical energetics, nucleic acids and protein synthesis is also included.

SC 181. Chemistry I. 3 Hours.
This introduction to chemistry provides a basic understanding of theoretical and practical aspects of inorganic chemistry. The course includes the metric system, chemical elements and symbols, the structure of the atom, chemical bonds, molecules and compounds, and chemical reactions.

SC 182. Chemistry II. 3 Hours.
This course is a continuation of Chemistry I. It focuses on organic chemistry and biochemistry and provides a background for understanding the chemical mechanisms of health and disease. Organic chemistry will emphasize the study of carbon, its special properties, and its compounds. Biochemistry will focus on the chemicals of living organisms, carbohydrates, lipids, proteins, and nucleic acids. Selected physiological topics such as energy metabolism, the genetic code, and protein synthesis are included. Prerequisite(s): SC 181.

SC 191. General Biology I. 3 Hours.
General Biology I focuses on biological principles that are fundamental to all of biology. This course covers the diversity of life and the commonalities of all living things including: molecular structure, cell structure and function, metabolism, cell division, heredity, and genetics. This course will also review the scientific process and the evaluation of scientific information. This course will prepare students for future courses in anatomy and physiology, cell biology, microbiology, biochemistry, genomic biology, and other biological specialties. This course is limited to students in programs requiring this course or are intending to take further biology courses.

SC 192. General Biology II. 3 Hours.
General Biology II is the continuation of a two-semester series in general biology for science majors. This course is designed to provide a thorough introduction to biology and prepare students for further study of evolution and ecology in SC 240. The goal of the course is to emphasize the diversity of species and for students to understand their relationship to, and their place in, the natural world. General Biology II is an introduction to the systematics, anatomy and physiology of the plant and animal kingdoms. This course will examine the structure and function of plant and animal organ systems in the framework of the evolution of adaptations. The course also concludes with an introduction to ecological systems.

SC 199. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 202. Science Immersion. 3 Hours.
This course emphasizes conservation by providing students an experiential setting that illuminates various aspects of the precarious balance between people’s effect on the environment and the natural order of things. Educational goals focus on the conservation and restoration of our natural heritage so that biodiversity is not depleted.

SC 210. Marine Biology. 3 Hours.
Oceans cover more than 70% of the earth’s surface and support all life on the planet. This course follows an ecological approach to consider the adaptations and interactions of plants and animals with their marine habitats, with particular emphasis on the ecosystems and organisms in the Gulf of Maine. Communities discussed include the open ocean, the deep-sea, subtidal and intertidal zones, and estuaries, as well as habitats found exclusively in tropical and polar regions. Prerequisite(s): SC 191 or SC 192.

SC 221. Anatomy and Physiology I. 3 Hours.
This course provides an in-depth understanding of the structures and functions of the human body and its parts. The course begins with the organization of the human body and descriptive terminology relating to various segments of the body. Cellular anatomy and physiology and study of tissues lead to the study of the organ systems. Topics included in the course are skin, the skeletal system, joints, the nervous system, and muscle.

SC 222. Anatomy and Physiology II. 3 Hours.
This course is a continuation of Anatomy and Physiology I. The course will provide a thorough understanding of structure-function relationships down to the molecular level. The semester will cover the special senses, blood, the cardiovascular system, lymphatics, the respiratory system, the digestive system, the urinary system, the endocrine system, and reproduction. Prerequisite(s): SC 221.

SC 224. Research Design. 3 Hours.
This course introduces basic concepts and skills needed for understanding and conducting research in the social, educational and health sciences. Students will receive a basic introduction to the fundamentals of research—what it involves, what types exist, and how to design and conduct such research. Examined are the essential terms and concepts of research necessary for students to critically evaluate research literature, develop solid research questions, and plan simple research projects. Active engagement with the research process will occur through class participation, exercises, literature reviews, development of research questions, and creation of inquiry strategies for answering research questions. Prerequisite(s): MS 132.
SC 234. Nutrition. 3 Hours.
This course examines the basic nutritional principles (biological, chemical and regulatory mechanisms); the changing nutritional requirements throughout the life cycle; the relationship between nutrition and disease; the principles of therapeutic nutrition (diet therapy) and the assessment of nutritional status. Prerequisite(s): SC 180 or SC 181.

SC 240. Ecology. 3 Hours.
This course explores the interaction of biotic and abiotic components in functioning ecosystems. It will examine topics in population distribution and dynamics, major terrestrial and aquatic habitats, community interactions such as competition and predation, nutrient cycling, energy flow, and ecosystem succession. The concurrently run lab will train students in identifying local flora and fauna, as well as collection and analysis of field data. Prerequisite(s): SC 191 and SC 192.

SC 241. Microbiology. 3 Hours.
This course provides a broad understanding of both beneficial and harmful microorganisms and their roles in human welfare. Emphasis is placed on the structure, physiology, and control of human pathogens, particularly bacteria and viruses. The lab provides experience in important techniques of culturing, identifying, and controlling microorganisms. Prerequisite(s): SC 104 and (SC 191 or SC 221).

SC 242. Biotechnology. 3 Hours.
The current explosion in wonder drugs, diagnostic tests and medical treatments has resulted, primarily, from advances in biotechnology. This course will explore the origins and current status of biotechnology and how it is applied in the world or research, product development, medical diagnosis, disease treatment and law enforcement. This course will primarily focus on those areas of biotechnology that pertain to molecular biology and biochemistry. The laboratory portion of this course will expose students to many of the techniques used in molecular biology/biotechnology laboratories around the world. Prerequisite(s): SC 102 and SC 103.

SC 251. Astronomy. 3 Hours.
This is an introductory course that will describe, develop and create physical models for many of the observable astronomical events in the sky. The topics may include motion in the night sky, the solar system, light, stars, star groups, the origin of the universe, life in the universe, and UFO’s.

SC 261. Integrated Physical Science I. 3 Hours.
Integrated Physical Science I is the first course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning career in elementary education. Using physical environment as a theme, principles of chemistry, physics, geology, atmospheric science, and space science are introduced, and reinforced through inquiry-based lab activities and field trips. This first course of the sequence covers fundamental concepts of chemistry and physics, which include: motion, waves and particles, energy, structure and properties of inorganic and organic matter and their mixtures, interactions of energy and matter, order and equilibrium of physical systems. Prerequisite(s): EH 123 and (MS 111 or MS 141 or MS 180 or MS 181).

SC 262. Integrated Physical Science II. 3 Hours.
Integrated Physical Science II is the second course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning careers in elementary education. Using environment as a theme, principles of physical sciences are introduced and reinforced through inquiry-based lab activities and field trips. The course covers fundamental concepts of geology, atmospheric science, and space science. Prerequisite(s): SC 261.

SC 271. Physics I. 3 Hours.
Physics I is the first course in a two semester general physics sequence. The goal of this course is to introduce the student to the concepts of force and motion, work and energy, fluids and gases, heat and thermodynamics, and periodic motion. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 180 or MS 181.

SC 272. Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 271. Topics include electricity and magnetism, optics, atomic theory, relativity. Quantum mechanics, nuclear physics, and elementary particles. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. Prerequisite(s): SC 271.

SC 283. Soil, Air, and Water Chemistry. 3 Hours.
An understanding of the fundamental chemistry implicit in the environment is important, but students must also be familiar with aspects of mineralogy, oceanography, soil science, sedimentology and microbiology. The course emphasizes natural geochemical processes and how they operate over a variety of scales. Topics range from global issues such as atmospheric pollution and its effect on global warming and ozone destruction to the link between microbiological populations and local and global scale nutrient and chemical cycling. The course is designed to introduce the student to that major systems and cycles in the environment and how materials and energy are cycled in these systems. Prerequisite(s): SC 181 and SC 182 and SL 181 and SL 182.

SC 285. University Physics I. 3 Hours.
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.

SC 286. University Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 181 and SC 285.

SC 291. Cell Biology. 3 Hours.
This course is a detailed exploration of cell structure and function with an emphasis on the cytoplasm and extracellular matrix. Topics in membrane structure, transmembrane transport, vesicle trafficking, cytoskeletal organization, and macromolecular assembly processes are considered. Cell to cell communications and the role of the extracellular matrix in tissue level processes are also explored. Superficial examination is given to the structure and organization of the nucleus, chromosomes and gene expression to prepare students for the companion course entitled Genomic Biology. Prerequisite(s): SC 191.

SC 292. Epidemiology. 3 Hours.
Basic concepts of epidemiology and methods for identification of factors influencing health and disease in human populations. Considerations are centered on physical, biological, psychosocial and cultural factors in relation to infectious and noninfectious diseases; interactions between agent, host, and environmental factors as determinants of health and disease; application of the epidemiologic approach to health services; and retrospective and prospective analysis of morbidity data. Instruction is by lecture, laboratory exercises and seminars.
SC 299. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 312. Adult, Infant, and Child CPR First Aid. 3 Hours.
This is a standard American Heart and American Red Cross course in adult, infant and child emergency care of injuries and CPR. Standard certificate awarded on successful completion of course.

SC 330. Exercise Physiology. 3 Hours.
This course examines changes within the human body due to the effects of acute and chronic exercise. The student is challenged to expand both their knowledge of and appreciation of human physiological reaction, regulation, and adaptation to exercise. Prerequisite(s): SC 111 or SC 120 or SC 222.

SC 332. Physiological Ecology of Animals and Plants. 3 Hours.
This course explores the structural and functional relationships within plants and animals that make them adapted to their environment. This course uses numerous examples to illustrate how plants and animals survive given the constraints of their environment. Examples will be taken from temperate, arctic, alpine, tropical, desert, and aquatic ecosystems. Prerequisite(s): SC 191 and SC 192.

SC 333. Pathophysiology. 3 Hours.
Pathophysiology is the study of abnormal, diseased physiological processes. The course begins with an examination of altered cell functioning, injury and death. The course continues with pathophysiology of the body systems and inability of diseased systems to maintain homeostasis. Also included are topics in inflammation, immunity, neoplasia, and adaptations of the body to stress. Although aging is not considered a disease, some aspects of aging will be discussed. Prerequisite(s): SC 221 and SC 222.

SC 334. Genomic Biology. 3 Hours.
This class will explore the structure of the nucleus, patterns of inheritance (traditional genetics), the molecular mechanisms of biological information management (molecular biology), and the technologies that are used to obtain and use the information contained within genomes (genomic science). The course will trace classical genetics, chromosome maps, the structure of DNA, gene expression and regulation, and the tools of molecular biology and genomic analysis. Prerequisite(s): SC 102 and (SC 180 or SC 181).

SC 351. Oceanography. 3 Hours.
This course examines the physical and biological characteristics of the marine environment. Topics include the origin of earth and its oceans, life in the oceans, the history of oceanography, plate tectonics, the nature of water, ocean circulation, waves, tides, shorelines, and coastal regions. A large portion of the course examines the interrelationships between organisms and the marine environment, mariculture marine pollution, and pollution control.

SC 352. Biochemistry. 3 Hours.
In this offering, the student will be exposed to reductionism in the field of biology. Biochemistry overlaps and articulates with many fields of endeavor. The discipline embraces physiology, pharmacology, enzymatics, nutrition, immunology, structural biology, biotechnology, and molecular biology all at the same time. The course curriculum will focus upon the role of enzymes in guiding metabolic processes and pathways. The student will come to understand the details of biological functioning at these three levels of organization: Metabolism, metabolic pathways, enzymatic mechanisms and kinetics. Prerequisite(s): SC 102 and SC 182.

SC 360. Biomechanics & Kinesiology in Human Performance. 3 Hours.
This course examines the application of anatomical and physiological principles of kinesiology and physical movement. Topics include the scientific study of human movement, analysis of motor skills, and programs of exercise and evaluation of human performance. Prerequisite(s): SC 222 or SC 120.

SC 362. Dynamics of the Earth. 3 Hours.
This course presents the basic concepts of earth science that include a broad and nonquantitative survey at the introductory level of topics in geology, oceanography, meteorology and astronomy. In geology, the topics emphasized are plate tectonics, volcanic activity, mountain building, minerals and rocks, earthquakes, geologic time and earth history. In meteorology, the specific areas include weather elements, weather patterns and storms. The astronomy unit reviews constellations, the moon, the solar system and beyond. Laboratory activities are included to demonstrate concepts. Within each unit human use and manipulation of physical resources is examined from both a scientific and economic perspective.

SC 367. Mathematics and Physics of Sustainable Energy. 3 Hours.
In this course you will examine the basic physical principles behind the generation and consumption of electrical energy. Mathematical skills necessary to quantitatively compare different sustainable energy technologies and associated issues are developed. This course assumes no prior background in physics. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 371. Horticulture. 3 Hours.
This course presents the fundamentals of horticulture including topics such as environmental factors affecting plants, methods of growing plants, pruning, grafting, harvesting and storing, pests and horticulture plants and their control, horticulture for home grounds, and the vegetable garden. Laboratory activities enable students to practice experimental design and planting techniques used in horticulture.

SC 373. Inorganic Chemistry. 3 Hours.
This course is designed to introduce the basic principles and concepts of inorganic chemistry. The course is intended for students who wish to pursue careers in chemistry, biochemistry, pharmacology, or the life sciences. Topics to be covered include: atomic and molecular structure, experimental techniques, bonding in polyatomics, acid/base chemistry, oxidation/reduction, descriptive chemistry of hydrogen and the s, p, d, and f block elements. Prerequisite(s): SC 181 and SC 182 and MS 181.

SC 381. Organic Chemistry I. 3 Hours.
This course comprises the first semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on chemical bonding, stereochemistry, and reaction mechanisms. Chemistry, as one of the exact sciences, requires quantification. Therefore, development of the critical thinking and problem solving strategies, as well as the experimental know-how and laboratory skills are major objectives of the course. Introduction to microscale lab techniques, modern analytical instrumentation, as well as computation technology additionally supports objectives of the course. Prerequisite(s): SC 182.
SC 382. Organic Chemistry II. 3 Hours.
This course comprises the second semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on stereochemistry, modern instrumental methods in identification of organic compounds, energetics, reaction mechanisms, and selected applications in biochemistry. Critical analysis of structure-properties' relationships in organic chemistry, and their applications, as well as more advanced know-how (FT-NMR or FT-IR, and UV/Vis spectroscopies) and laboratory skills (applications of semi-empirical molecular computations, and multistep synthetic procedures) are major objectives of this course. Prerequisite(s): SC 381.

SC 383. Junior Science Research Seminar. 3 Hours.
This course introduces students to careers in science, the scientific research process, and research expectations within the biology, health science, chemistry and environmental science majors. The major focus is to develop a senior research proposal on the basis of what is attainable, interesting, and meaningful. Students learn, in detail, both the limits and expectations of undergraduate research in the sciences. Students are introduced to the important role of library resources and the professional literature as they investigate their chosen topic. Students will be expected to write a resume and career goals statement, give an oral presentation on a chosen career field in science, lead a class discussion of a scientific article, and submit a written research proposal that includes a scientific literature review, problem statement or hypothesis, a timeline for completion, and detailed budget for their proposed senior thesis research. Students will also give an oral presentation on their proposed research and evaluate other student's research proposals. Prerequisite(s): SC 224.

SC 393. Physical Chemistry. 3 Hours.
This course provides an introduction to the methods describing complex physiochemical systems and their responses to external chemical and/or physical stresses. Classical and modern theories of equilibrium and non-equilibrium thermodynamics, kinetic theory of transport phenomena, as well as quantum and statistical mechanics are introduced and applied to molecular systems and spectroscopy. Biological and biochemical problems are shown how to be formulated and solved by using principles of physical chemistry. Prerequisite(s): MS 132 and MS 181 and SC 182 and SC 272.

SC 394. Analytical Chemistry. 3 Hours.
This course is an introduction to the fundamentals of analytical chemistry. It covers sample treatment, statistical analysis of data, measurement errors, and applications of chemical equilibrium, kinetics, transport, light scattering, emission, and absorption to chemical analysis. The following analytical methods are studied: Volumetric, gravimetric, electrochemical, chromatography, and spectroscopy. The course includes lab. Prerequisite(s): MS 132 and (MS 180 or MS 181) and SC 382 and SL 382.

SC 399. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 410. Motor Learning in Human Performance. 3 Hours.
This course explores the application of learning and performance of motor skills. Topics include the scientific study of motor skills and abilities, motor control, attention and memory, motor skill learning, instruction and augmented feedback, and practice conditions. Prerequisite(s): SC 222 or SC 120.

SC 450. Physical Biochemistry. 5 Hours.
This course entails a study of the physical processes involved in living systems including thermodynamics and equilibria, kinetics and transport phenomena, and applications of quantum chemistry and spectroscopy. Prerequisite(s): SC 352 and SL 393 and MS 182 and SC 272.

SC 481. Biological Research & Laboratory Safety I. 3 Hours.
This course serves as the capstone course in the Biology major. Under supervision of the instructor, students are expected to conduct self-directed, individual laboratory or field research in biology. During this course, students will collect and analyze data, and share the results of experiments with classmates in a seminar setting. At the end of the semester, students present the final results of their research in the form of a final oral presentation and written thesis. Prerequisite(s): SC 383.

SC 482. Biological Research & Laboratory Safety II. 3 Hours.
The course serves as the continuation of the capstone course in the Biology major and is necessarily preceded by SC 481. Students who wish to continue with their laboratory or field research may elect to take this course. The emphasis during this semester will be on increasing sample size or elaborating on the research that was started in SC 481. Students will be required to share their final results with the Husson University community and at a regional or national scientific meeting. Students will be encouraged to publish their work in the peer-reviewed literature. Prerequisite(s): SC 481.

SC 490. Environmental Science Research Seminar I. 3 Hours.
Environmental Science is a dynamic, responsive, and applied discipline. In this experiential course, students explore potential careers and research areas in Environmental Science. With individual guidance from course instructors as well as collaborative study, students will develop working résumés, apply for internship positions, and synthesize the primary scientific literature in their field of interest to develop a feasible scientific research proposal. An internship in environmental science with a local, state, or federal agency or a private organization is a required component of this course; students share their internship experience with classmates and the Husson community.

SC 491. Environmental Science Research Seminar II. 3 Hours.
This course serves as the capstone course in the Environmental Science Program. With guidance from course instructors, students conduct individual, self-directed research in their field of interest within the discipline of Environmental Science. Students disseminate the results of their research with classmates and the Husson community in the form of a written and oral presentation. Exceptional students are encouraged to present their research at a local, state or national conference. Prerequisite(s): SC 490.

SC 492. Senior Chemistry Research Seminar. 3 Hours.
This capstone course provides an introduction to research in chemical sciences. In the seminar setting students critically review primary literature sources and design, with help of the instructor, a serious and original research proposal in theoretical or experimental chemistry. Students discuss their ideas and applied methodology with classmates during regular weekly meetings. The approved by instructor research hypotheses are subsequently validated by experiments, field studies, or theoretical calculations. Students report and share the research findings with classmates in the seminar format. The authors of projects of very high quality will be encouraged to present their work at regional chemical conferences. Prerequisite(s): SC 393 and SC 394.
SC 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL Courses

SL 120. Functional Anatomy and Physiology Lab I. 1 Hour.
Functional Anatomy and Physiology Lab I is a 1 credit lab that students take at the same time as taking the lecture part of the course, SC 120. It is laboratory designed to give the non-science major knowledge of the human body and its relationship with the environment. Topics covered parallel the lecture topics in SC 120 and include: the chemical basis of life, the anatomy & physiology of all organ systems, growth, development, heredity and biotechnology issues.

SL 180. Prin of Gen Chemistry Lab I. 1 Hour.
This is a laboratory class.

SL 181. Chemistry Lab I. 1 Hour.
This is a laboratory class.

SL 182. Chemistry Lab II. 1 Hour.
This is a laboratory class.

SL 191. General Biology Lab I. 1 Hour.
This laboratory course is to be taken concurrently with SC 191. It is designed to reinforce the fundamental biology concepts discussed in lecture as well as introduce students to laboratory procedures and the basics of the scientific method.

SL 192. General Biology Lab II. 1 Hour.
This laboratory course is to be taken concurrently with SC 192. This course is designed to provide hands-on experience with plant and animal diversity, comparative anatomy and physiology, as well as the collection and analysis of lab and field data.

SL 210. Marine Biology Laboratory. 1 Hour.
Marine Biology Laboratory must be taken concurrently with Marine Biology. Laboratory activities focus on the organisms and ecosystems in the Gulf of Maine and include field trips to local marine habitats as well as laboratory investigations of local flora and fauna. Prerequisite(s): SC 191 or SC 192.

SL 221. Anat/Physiology Lab I. 1 Hour.
This is a laboratory class.

SL 222. Anatomy/Physiology Lab II. 1 Hour.
This is a laboratory course. Prerequisite(s): SL 221.

SL 240. Ecology Lab. 1 Hour.
This lab focuses on ecological research principles and is designed to complement and reinforce the topics discussed in SC 240. The labs will include reading primary literature, case-studies, identification of local flora and fauna, and field and laboratory data collection and analysis.

SL 241. Microbiology Lab. 1 Hour.
This is a laboratory class.

SL 242. Biotechnology Lab. 1 Hour.
This is a laboratory class.

SL 271. Physics Lab I. 1 Hour.
This is a laboratory class.

SL 272. Physics Lab II. 1 Hour.
This is a laboratory class.

SL 285. University Physics I (Laboratory). 1 Hour.
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.

SL 286. University Physics II Lab. 1 Hour.
This course continues the development of the basic physical concepts begun in SC285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 181 and (SC 285 or SC 271).

SL 299. Topic/. 0-3 Hours.
This course is intended to provide the opportunity to offer introductory courses in laboratory science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL 381. Organic Chemistry I Lab. 1 Hour.
This is a laboratory class. Prerequisite(s): SL 182.

SL 382. Organic Chemistry II Lab. 1 Hour.
This is a laboratory class. Prerequisite(s): SL 381.

SL 393. Physical Chemistry Lab. 2 Hours.
This course is a hands-on laboratory component of the SC 393, covering topics in kinetics, thermodynamics, transport, and spectroscopy. The laboratory exercises apply physical methods to studies of complex physicochemical phenomena. Computer simulations of molecular properties complement the measurements. Three hours of laboratory per week. Prerequisite(s): SL 182 and SL 272.

SL 394. Analytical Chemistry Lab. 2 Hours.
This course is a hands-on introduction to the fundamental techniques of analytical chemistry. It covers sample treatment and volumetric, gravimetric, electrochemical, chromatographic, and spectroscopic analytical methods. Three hours of laboratory per week are designed to supplement and reinforce the knowledge gained in the SC 394. Prerequisite(s): SL 182.

SL 399. Topic/. 0 Hours.
This course is intended to provide the opportunity to offer 300-level courses in laboratory sciences that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL 499. Topic/. 0-3 Hours.
This course is intended to provide the opportunity to offer advanced courses in laboratory science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

Program in Healthcare Studies

The undergraduate Healthcare Studies degree is designed to prepare students to work in a variety of careers in the healthcare field. In addition to courses in healthcare delivery, terminology, leadership, management and policy, students select courses in business, psychology, science, and math to prepare them for work in hospitals, clinics, research centers at academic institutions and medical centers, pharmaceutical companies, contract research organizations, and the insurance industry. This degree would also qualify the students to pursue advanced academic studies in
graduate and professional schools, including Husson University's MBA with a concentration in Healthcare Management.

Specific objectives for our students include gaining an understanding of how healthcare affects the global economy and government policies; learning about the human body and other medical terminology; gaining microcomputing skills including spreadsheets and electronic medical forms and how information can be electronically shared; learning about how psychology and sociological issues affect Healthcare research and practices; gaining a broad knowledge of biological and chemical sciences; and becoming critical thinking, broad minded, ethical individuals.

Courses

EH 080. Reading and Vocabulary for International Students. 3 Hours. Reading & Vocabulary for International Students: This course develops non-native English speakers’ general reading fluency and their discrete reading knowledge and skills, and teaches them how to explore new vocabulary while developing their knowledge of academic vocabulary. Placement is determined by diagnostic writing and vocabulary tests. The course does not count towards the degree. A minimum grade of C is required.

EH 081. Writing I for International Students. 3 Hours. Writing I for International Students: This course develops the general English writing skills of non-native English speakers who may not be ready for full-time university coursework in their major fields of study through the practice of general and academic English writing “genres” and an exploration of the writing process. Placement is determined by diagnostic writing and vocabulary tests. The course does not count towards the degree. A minimum grade of C is required.

EH 082. Writing II for International Students. 3 Hours. Writing II for International Students: This course develops the academic English writing skills of non-native English speakers through the practice of specific academic English writing tasks often undertaken at Husson University, an exploration of how to write differently with different audiences and for different purposes, and an analysis of the basic writing conventions of their major fields of study. Placement is determined by diagnostic writing and vocabulary tests or successful completion of EH 080 and EH 081. The course does not count towards the degree. A minimum grade of C is required.

EH 083. Focused Listening for International Students. 3 Hours. Focused Listening for International Students: This course develops the aural and oral fluency and skills of non-native English speakers who are not yet ready for full-time university coursework in their major fields of study through extensive listening and speaking exercises, an introduction to the types of academic English listening and speaking tasks they will encounter at any university, an exploration of the pragmatics of English and how they differ from their own language pragmatics, and activities related to the different ways that English is pronounced in the many places it is spoken. Placement is determined by diagnostic listening and speaking tests. The course does not count towards the degree. A minimum grade of C is required.

EH 084. Oral Communication I for International Students. 3 Hours. Oral Communication I for International Students: This course develops the academic English listening and speaking skills of non-native English speakers who may not be ready for full-time university coursework in their major fields of study through the practice of realistic academic English listening and speaking tasks, the investigation of how spoken English is used differently with different audiences and for different purposes, and an exploration of the effective use of English to navigate the institution. Placement is determined by diagnostic listening and speaking tests. The course does not count towards the degree. A minimum grade of C is required.

EH 085. Oral Communication II for International Students. 3 Hours. Oral Communication II for International Students: This course prepares non-native English speakers for the rigors of university coursework through the study and practice of relevant academic English listening and speaking tasks, guides them through an exploration of “World Englishes” and how to use them or not with different audiences and for different purposes, and improves their understanding of the pragmatics of advanced conversational English. Placement is determined by diagnostic listening and speaking tests or successful completion of EH 083 and EH 084. The course does not count towards the degree. A minimum grade of C is required.

EH 086. Modular ESL (English as a Second Language). 1-6 Hour. Modular ESL is a one-to-six credit course which prepares non-native English speakers for success at Husson University through the completion of assignments in some or all of six different areas of Academic English: Oral & Aural English, Reading & Writing, Grammar, Vocabulary, Language Pragmatics, and Academic Thinking. The number of credits a student must take is determined by writing, vocabulary, listening, and speaking tests. One credit-hour is equivalent to 40 unit-hours of independent study, work with the teacher, and occasional collaborative in-class work. These tests are also used to determine what portion of the unit hours must be spent on assignments in each of the six areas of study and which specific assignments may be required. The course does not count towards the degree. A minimum grade of C is required.

EH 091. Writing Workshop. 3 Hours. In this course students practice a variety of writing strategies and sentence-level skills in a workshop atmosphere that prepares them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling and document format are among the topics covered in preparation for academic writing. Connections between reading and writing are emphasized. Placement is determined by a diagnostic writing sample. The course does not count toward the degree. A minimum grade of C is required.

EH 091L. English Writing Workshop Lab. 1 Hour. This course is a writing workshop lab that is required for all students taking a developmental section of EH 123. The lab is structured using the studio model. This model provides a “third space” where students can explore, in more detail, the skills required to complete the standard EH 123 curriculum and, more importantly, the expectations of “college-level writing,” which includes not only specific writing abilities but also the “habits of mind” that allow students to use writing as a means of solving unforeseen problems. This lab is also connected to the writing center, which provides tutoring opportunities for students enrolled in the writing lab.
EH 092. Writing Workshop for International Students. 3 Hours.
In this course students for whom English is a second language practice a variety of writing strategies and sentence-level skills in a workshop atmosphere that prepares them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling, and document format are among topics covered in preparation for academic writing. Connections between reading and writing are emphasized. Placement is determined by a diagnostic writing sample. The course does not count toward the degree. A minimum grade of C is required.

EH 093. Academic English for International Students. 3 Hours.
This course is designed for students for whom English is a second language. Placement is determined by diagnostic written and oral evaluation. Students will practice a variety of writing strategies and sentence-level skills in a workshop atmosphere to prepare them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling, and document format are among topics covered. Connections between reading and writing are emphasized. Development of academic vocabulary will be stressed. Listening and note-taking strategies will be practiced. Both linguistic and cultural aspects of oral classroom participation will be taught.

EH 094. Advanced English Workshop for International Students. 3 Hours.
This course is a more advanced continuation of EH 092, emphasizing additional development of vocabulary, writing and oral participation in the American academic environment. Placement is determined by diagnostic assessment. Students whose English skills warrant it may be placed directly into this class and bypass EH 092.

EH 103. Rhetoric and Composition I Studio. 1 Hour.
A supplement to Rhetoric and Composition I (EH 123), this course is required for students placed as basic writers and optional for all other students. Placed students must pass both this course and Rhetoric and Composition I in order to move on to Rhetoric and Composition II (EH 124). Class meets once a week. Class size is limited to eight. Curriculum is coordinated with EH 123 instructor and tailored to the needs of students. Pass-Fail only. (Note: credit does not apply toward graduation.)

EH 104. Rhetoric and Composition II Studio. 1 Hour.
A supplement to Rhetoric and Composition II (EH 124), this course is required for students placed as basic writers and optional for all other students. Placed students must pass both this course and Rhetoric and Composition II. Class meets once a week. Class size is limited to eight. Curriculum is coordinated with EH 124 instructor and tailored to the needs of students. Pass-Fail only. (Note: credit does not apply toward graduation.) Prerequisite(s): EH 123 and EH 103.

EH 123. Rhetoric and Composition I. 3 Hours.
This course teaches techniques for effective oral and written communication. In a workshop environment that features continual instructor and peer evaluation, students develop a process approach to writing and speaking. Students will write in a variety of genres and will reinforce rhetorical strategies pertaining to audience awareness while practicing oral delivery skills. A grade of C or better is required to pass the course.

EH 124. Rhetoric and Composition II. 3 Hours.
This course teaches techniques for effective oral and written communication. In a workshop environment that features continual instructor and peer evaluation, students develop a process approach to writing and speaking. Logical argumentation, academic conventions, and research-related skills are the primary focus. Public speeches are based on written assignments that incorporate various source materials. As students explore connections between the written and spoken word, the significance of nonverbal language and listening skills are emphasized. A grade of C or better is required to pass the course. Prerequisite(s): EH 123 or EH 111.

EH 199. Topic/. 1 Hour.
This course is intended to provide the opportunity to offer introductory courses in English that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

EH 200. Approaches to Literature. 3 Hours.
Introduces students to the study of literature and the fundamental of literary research. Students explore fiction, poetry, and drama from both the western and non-western worlds. The creative process is explored through reading, discussion, research and writing. Additionally, the key themes of power, identity, justice and adaptation and explored in relation literature. Prerequisite(s): (EH 123 and EH 124) or EH 111.

EH 229. Introduction to Poetry. 3 Hours.
This course provides a critical exploration into the sound and sense of verse in English, from its traditional forms (e.g. the sonnet, villanelle and sestina) to more recent styles (e.g. free verse, experimental and avant grade poetry). Special attention to the devices of meter, rhyme, rhetoric and wordplay will enhance students' understanding of the complementary relationship between poetic content (what a poem says) and form (how is it said). Prerequisite(s): EH 200 or EH 112.

EH 230. Introduction to the Short Story. 3 Hours.
This course introduces students to the narrative methods and storytelling strategies that define short fiction. Readings include short stories by traditional and contemporary writers from diverse national and cultural backgrounds. Attention will be given to individual stories and their function in the broader context of entire collections of short fiction. Prerequisite(s): EH 200.

EH 232. Intro to Drama/Play Production. 3 Hours.
This course examines dramatic writing and performance as a vehicle of cultural communication from the ancient world to the present day. Topics studied include forms and definitions of drama, history of play production, staging and criticism. Prerequisite(s): EH 200.

EH 233. Introduction to the Novel. 3 Hours.
This course provides a study of the novel, including its aesthetic development, critical reception, and social function, from its origins in the eighteenth-century to its contemporary practitioners. Specific topics and texts may vary according to instructor and student preference and may include Bradford, Bradstreet, Edwards, Hawthorne, Emerson, Melville, Thoreau and Douglas. Prerequisite(s): EH 200.

EH 234. American Literature I. 3 Hours.
This course presents a survey of American writing from the Colonial period to the Civil War with focus on the intellectual movements and literary output of Puritanism, Native American literature, Romanticism, the Transcendentalists and slavery narratives. Specific topics and texts may vary according to instructor and student preference and may include such writers as Bradford, Bradstreet, Edwards, Hawthorne, Emerson, Melville, Thoreau and Douglas. Prerequisite(s): EH 200.
EH 235. American Literature II. 3 Hours.
This course presents an overview of American Literature from the end of the Gilded Age to 1945. It may include authors and works from the Gilded Age, Progressivism, World War I, the Expatriates, the Jazz Age and the Harlem Renaissance. The course studies the role of literature to express and influence social, economic, and cultural realities of the United States. Specific topics and texts vary according to instructor and student preference and may include Twain, Bierce, Dickinson and Whitman. Prerequisite(s): EH 200 or EH 112.

EH 241. British Literature I. 3 Hours.
This course provides a study of canonical authors and works of the British Isles from medieval times to the modern era. Depending on instructor and student preference, texts and authors may include Beowulf, Chaucer, Langland, Malory, Donny, Shakespeare, Milton, Swift, Austen, Wordsworth, the Brontes, Tennyson, Arnold, Conrad and Woolf. Prerequisite(s): EH 200.

EH 242. British Literature II. 3 Hours.
This course surveys British literature from 1660 to the present. It will combine historical, cultural, and linguistic approaches in the study of various literary genres, considering along the way what shapes definitions of language, tradition, nation, and literature. Readings, class discussions, research and writing assignments aim to give students a broad look at a number of canonical writers, intellectual movements, and influential changes that have accompanied the development of British writing since the Restoration. The course is intended for majors and non-majors alike. Prerequisite(s): EH 200.

EH 251. World Literature I. 3 Hours.
This course surveys significant writings in Eastern and Western tradition, from ancient Babylonian civilization to the English Restoration. Selected texts depend on instructor and student interest and may include Gilgamesh, Greco-Roman mythology, Homer’s Odyssey, the Old and New Testaments, Indian epic, Dante’s Divine Comedy and Japanese haiku. Prerequisite(s): EH 200.

EH 252. World Literature II. 3 Hours.
The second of two world literature surveys, this course concentrates on literary works from the English Restoration to the modern era. The primary goal of the course is to define the role of literature as it occurs through a wide range of social, cultural and geographical contexts. Selected texts depend on student and instructor interest and may include Voltaire, Borges, Mahfouz, Tagore, Mishima, Garcia Marquez and Achebe. Prerequisite(s): EH 200.

EH 275. Creative Writing Workshop. 3 Hours.
This course is an introduction to the writing of creative short fiction, poetry, and personal essay. As students workshop their own writing and offer feedback to the writing of classmates, they are exposed to a variety of writing techniques in all three genres in order to help develop their own writing style and voice. Emphasis is placed on the importance of revision and writing as a process. Prerequisite(s): EH 200.

EH 299. Topics. 3 Hours.
This course is intended to provide the opportunity to offer introductory courses in English that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty. Prerequisite(s): EH 200.

EH 300. Literacies in American Society. 3 Hours.
This course will investigate literacy from a sociocultural and linguistic perspective. Students will be defining and operationalizing the term “literacy” and striving to understand the various types of literacy that currently exist in American society. Furthermore, students will study how being adept in various literacies define group membership and serve as a gateway of access to various levels of American social stratification. Furthermore, beginning with pre-school aged children, students will investigate how literacy and the value of literacy is transmitted culturally and how that transmission weighs heavily on future involvement in literacy events. Prerequisite(s): EH 123 and EH 124.

EH 301. The Modern Novel. 3 Hours.
This course examines the novel as it develops in western and European culture from about 1800 through the present. Students will read approximately eight to ten novels per semester from a variety of cultural and historical periods. Students will become acquainted with the relevant historiographical sources, theory and issues pertaining to the period and write a variety of short papers for this course. Prerequisite(s): EH 112 or EH 200.

EH 302. The Nature of Language. 3 Hours.
This survey course will introduce students to the study of the nature of human language. During the course, students will be exposed to origins of human language, myths about language, language principles, writing systems, phonology/phonetics, morphology, syntax, psycholinguistics, social linguistics, first and second language acquisition, historical linguistics, and language and politics, semantics and pragmatics. The goal of this course is to expose the students the complexity of human language. Prerequisite(s): EH 123 and EH 124 and EH 200.

EH 303. Canadian Literature. 3 Hours.
This course will focus on the major thematic concerns that have shaped Canadian literature from the pre-Confederation era to the present day. Literary examples will be drawn from works concerned with ethnicity, colonization, the wilderness, identity formation, and the Francophone/Anglophone divide. Primary attention will be given to texts focusing on the world of work as it has been envisioned by Canadians. Selected poetry and prose from diverse, canonical authors such as Frances Brooke, Susanna Moodie, Isabella Valancy Crawford, Charles Sangster, John Richardson, Joy Kogawa, Alice Munroe, Margaret Atwood, David Adams Richad, and Yann Martel will be examined. Depending on the season, a day trip to King’s Landing – a living museum of Canadian history about three hours from Bangor – could be undertaken. Prerequisite(s): EH 112 or EH 200.

EH 311. Topics in Professional Communication. 3 Hours.
This course builds upon the rhetorical foundation established in EH 123 and EH 124 to introduce students to the skills central to effective professional writing. These skills include an ability to apply composition theory and advanced rhetorical strategies to various professional contexts, such as business, engineering, and professional publishing. In addition, students will learn how to conduct research in a variety of professions, communicating these findings in specific professional genres, which include short stories, poems, novels, business letters, memos, internal and external proposals, analytic reports, and scientific articles. Prerequisite(s): EH 200.
EH 312. Film as Literature. 3 Hours.
This course is intended as an introduction to film studies course. Students will learn to read film by analyzing structure, narrative form, diegetic and non-diegetic elements, mise en scene, generic conventions, motifs, cinematography and editing techniques as they pertain to a given theme followed through a chronological development of film in a given cultural context, (this varies depending upon instructor). The course will stress writing about film through scene analysis papers, journals, and midterm and final essay exams. A formal presentation is also required. Prerequisite(s): EH 123 and EH 124 and EH 200.

EH 320. Literature and Medicine. 3 Hours.
This course approaches ethical, social, and psychological issues in health care through the study of literature. Texts from various genres will frame exploration of the caregiver-patient relationship from alternating perspectives and in diverse social environments, historical contexts, and cultural surroundings. The course emphasizes skills of critical close-reading, research, oral and written argument through class discussion, essays, and presentations. Prerequisite(s): EH 200.

EH 322. Group Leadership and Conference Techniques. 3 Hours.
This course involves experiential learning of leadership, interpersonal communication, and conference activities. Students develop and present individual and group programs based on issues and policies within their degree programs, and/or professional and civic organizations. Prerequisite(s): EH 121 and EH 221.

EH 330. Introduction to Literary and Cultural Theory. 3 Hours.
The goal of this course is to introduce students to the theories upon which advanced literary and cultural analyses are founded. These theories help scholars discover and articulate the role literature plays in our understanding of social associations and cultural tradition, institutions that shape the values and norms through which we define truth and, so, meaning. Prerequisite(s): EH 123 and EH 124 or College Level = Sophomore.

EH 342. Native American Literatures of North America. 3 Hours.
Students will examine Native American Literatures, including traditional stories, non-fiction, fiction and poetry from authors of different Native American tribes. A variety of themes, including Native American identity and the role literature plays in cultural change, will be covered. Students will investigate these issues through a series of reading journals, two longer response papers, a significant research essay, and two formal presentations. Prerequisite(s): EH 123 and EH 124 and EH 200.

EH 350. The History of the English Language. 3 Hours.
The History of the English Language offers a study of Old, Middle, and Modern English. Furthermore, the course will address how the nature and mechanisms of language change over time, as well as the social, political, and other historical conditions that relate to such changes. The course will also attend to phonology, morphology, syntax, lexicography, and semantics, as well as to the broader cultures of the relevant periods. Prerequisite(s): EH 123 and EH 124.

EH 352. Advanced Writing Internship. 3 Hours.
This course is designed to combine training for writing tutors with practical experience in the Writing Center. Students will study rhetoric and composition theory and explore issues that interfere with successful student writing, both their own and that of others. Acquired knowledge will be applied in both classroom role-playing situations and actual tutorial experiences in the Writing Center. Emphasis will be on preparing students for possible future roles as peer tutors in the Writing Center. Prerequisite(s): EH 112.

EH 360. Writing in the Health Professions. 3 Hours.
Writing in the Health Professions is designed to introduce you to various techniques and methods of communicating within the health professions. The required assignments expose you to the documents you will encounter in your physical therapy, occupational therapy, or other health science courses and careers. Through these assignments, the readings, and class discussions, you will develop the clear and focused writing style required in a technical or scientific context. Prerequisite(s): EH 200.

EH 411. Seminar in Literature. 3 Hours.
This is an upper-level seminar course of variable content determined by current faculty research and student interests. Previous topics include Shakespeare, Virginia Woolf, Twentieth Century Poetry and Literature of Place. Prerequisite(s): EH 200.

EH 453. Major Plays of Shakespeare. 3 Hours.
This course will examine Shakespeare's major plays. The plays will be examined in context of Shakespeare's background and English Renaissance thought. Plays covered in this course may vary, and students will examine selections from Shakespeare's histories, tragedies, romances, and/or comedies. Prerequisite(s): EH 200.

EH 499. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer upper level literature courses in English that are not normally included in the ongoing curriculum at Husson University. Topics will depend upon the interests of students and faculty. Prerequisite(s): EH 123 and EH 124 and EH 200.

B.S. Healthcare Studies

Program Curriculum

Students must earn an overall 2.0 cumulative grade-point average as well as 2.0 in major courses, 120 credit hours. Transfer students should complete a minimum of 30 credit hours at Husson.

General Education Courses

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>CM 100</td>
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<td>CM 221</td>
<td>Professional Communications</td>
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<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
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<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
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<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
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<td>Writing in the Health Professions</td>
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<td>MI 111</td>
<td>Introduction to Microcomputing</td>
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<td>MI 210</td>
<td>Basic Database Design and Implementation</td>
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<td>MI 214</td>
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<td>PY 141</td>
<td>Human Growth and Development</td>
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<td>SC 104</td>
<td>Organismal Biology</td>
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<tr>
<td>SC 120</td>
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<td>SC 224</td>
<td>Research Design</td>
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<tr>
<td>SC 292</td>
<td>Epidemiology</td>
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<tr>
<td>History Elective</td>
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### Suggested Course Sequence

#### First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
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<tbody>
<tr>
<td>EH 123</td>
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<td>MI 111</td>
<td>3</td>
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<tr>
<td>HE 111***</td>
<td>1</td>
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<tr>
<td>SC 104</td>
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<td>PY 111</td>
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#### Second Year

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<tr>
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<td>BA 210</td>
<td>3</td>
</tr>
<tr>
<td>MS 132</td>
<td>3</td>
<td>HS 121</td>
<td>3</td>
</tr>
<tr>
<td>EH 200</td>
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<td>MI 214</td>
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<tr>
<td>SC 120 &amp; SL 120</td>
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<td>PY 141</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts Elective</td>
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<td>Open Elective</td>
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#### Third Year

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<td>HS 301</td>
<td>3</td>
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<tr>
<td>HS 311</td>
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<td>HS 321</td>
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<tr>
<td>SC 224</td>
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<td>SC 292</td>
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<tr>
<td>HS Elective</td>
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<td>MI 210</td>
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<tr>
<td>CM 100 or 221</td>
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<td>Open Elective</td>
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#### Fourth Year

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<th>Hours</th>
<th>Spring</th>
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<td>HS 299 (Global Health)</td>
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<td>HS 421</td>
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<td>HS 411</td>
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<td>HS 491</td>
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<td>HS Elective</td>
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<td>HS Elective</td>
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<td>Foreign Culture and Conversation Elective</td>
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<tr>
<td>Open Elective</td>
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<td>Open Elective</td>
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</table>

*** Credit may not be required for degree completion.

### Courses

#### EH 080. Reading and Vocabulary for International Students. 3 Hours.
Reading & Vocabulary for International Students: This course develops non-native English speakers' general reading fluency and their discrete reading knowledge and skills, and teaches them how to explore new vocabulary while developing their knowledge of academic vocabulary. Placement is determined by diagnostic writing and vocabulary tests. The course does not count towards the degree. A minimum grade of C is required.

#### EH 081. Writing I for International Students. 3 Hours.
Writing I for International Students: This course develops the general English writing skills of non-native English speakers who may not be ready for full-time university coursework in their major fields of study through the practice of general and academic English writing "genres" and an exploration of the writing process. Placement is determined by diagnostic writing and vocabulary tests. The course does not count towards the degree. A minimum grade of C is required.

#### EH 082. Writing II for International Students. 3 Hours.
Writing II for International Students: This course develops the academic English writing skills of non-native English speakers through the practice of specific academic English writing tasks often undertaken at Husson University, an exploration of how to write differently with different audiences and for different purposes, and an analysis of the basic writing conventions of their major fields of study. Placement is determined by diagnostic writing and vocabulary tests or successful completion of EH 080 and EH 081. The course does not count towards the degree. A minimum grade of C is required.

#### EH 083. Focused Listening for International Students. 3 Hours.
Focused Listening for International Students: This course develops the aural and oral fluency and skills of non-native English speakers who are not yet ready for full-time university coursework in their major fields of study through extensive listening and speaking exercises, an introduction to the types of academic English listening and speaking tasks they will encounter at any university, an exploration of the pragmatics of English and how they differ from their own language pragmatics, and activities related to the different ways that English is pronounced in the many places it is spoken. Placement is determined by diagnostic listening and speaking tests. The course does not count towards the degree. A minimum grade of C is required.
EH 084. Oral Communication I for International Students. 3 Hours.
Oral Communication I for International Students: This course develops the academic English listening and speaking skills of non-native English speakers who may not be ready for full-time university coursework in their major fields of study through the practice of realistic academic English listening and speaking tasks, the investigation of how spoken English is used differently with different audiences and for different purposes, and an exploration of the effective use of English to navigate the institution. Placement is determined by diagnostic listening and speaking tests. The course does not count towards the degree. A minimum grade of C is required.

EH 085. Oral Communication II for International Students. 3 Hours.
Oral Communication II for International Students: This course prepares non-native English speakers for the rigors of university coursework through the study and practice of relevant academic English listening and speaking tasks, guides them through an exploration of "World Englishes" and how to use them or not with different audiences and for different purposes, and improves their understanding of the pragmatics of advanced conversational English. Placement is determined by diagnostic listening and speaking tests or successful completion of EH 083 and EH 084. The course does not count towards the degree. A minimum grade of C is required.

EH 086. Modular ESL (English as a Second Language). 1-6 Hour.
Modular ESL is a one-to-six credit course which prepares non-native English speakers for success at Husson University through the completion of assignments in some or all of six different areas of Academic English: Oral & Aural English, Reading & Writing, Grammar, Vocabulary, Language Pragmatics, and Academic Thinking. The number of credits a student must take is determined by writing, vocabulary, listening, and speaking tests. One credit-hour is equivalent to 40 unit-hours of independent study, work with the teacher, and occasional collaborative in-class work. These tests are also used to determine what portion of the unit hours must be spent on assignments in each of the six areas of study and which specific assignments may be required. The course does not count towards the degree. A minimum grade of C is required.

EH 091. Writing Workshop. 3 Hours.
In this course students practice a variety of writing strategies and sentence-level skills in a workshop atmosphere that prepares them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling, and document format are among topics covered in preparation for academic writing. Connections between reading and writing are emphasized. Placement is determined by a diagnostic writing sample. The course does not count toward the degree. A minimum grade of C is required.

EH 091L. English Writing Workshop Lab. 1 Hour.
This course is a writing workshop lab that is required for all students taking a developmental section of EH 123. The lab is structured using the studio model. This model provides a "third space" where students can explore, in more detail, the skills required to complete the standard EH 123 curriculum and, more importantly, the expectations of "college-level writing," which includes not only specific writing abilities but also the "habits of mind" that allow students to use writing as a means of solving unforeseen problems. This lab is also connected to the writing center, which provides tutoring opportunities for students enrolled in the writing lab.

EH 092. Writing Workshop for International Students. 3 Hours.
In this course students for whom English is a second language practice a variety of writing strategies and sentence-level skills in a workshop atmosphere that prepares them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling, and document format are among topics covered for academic writing. Connections between reading and writing are emphasized. Placement is determined by a diagnostic writing sample. The course does not count toward the degree. A minimum grade of C is required.

EH 093. Academic English for International Students. 3 Hours.
This course is designed for students for whom English is a second language. Placement is determined by diagnostic written and oral evaluation. Students will practice a variety of writing strategies and sentence-level skills in a workshop atmosphere to prepare them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling, and document format are among topics covered. Connections between reading and writing are emphasized. Development of academic vocabulary will be stressed. Listening and note-taking strategies will be practiced. Both linguistic and cultural aspects of oral classroom participation will be taught.

EH 094. Advanced English Workshop for International Students. 3 Hours.
This course is a more advanced continuation of EH 092, emphasizing additional development of vocabulary, writing and oral participation in the American academic environment. Placement is determined by diagnostic assessment. Students whose English skills warrant it may be placed directly into this class and bypass EH 092.

EH 103. Rhetoric and Composition I Studio. 1 Hour.
A supplement to Rhetoric and Composition I (EH 123), this course is required for students placed as basic writers and optional for all other students. Placed students must pass both this course and Rhetoric and Composition I in order to move on to Rhetoric and Composition II (EH 124). Class meets once a week. Class size is limited to eight. Curriculum is coordinated with EH 123 instructor and tailored to the needs of students. Pass-fail only. (Note: credit does not apply toward graduation.)

EH 104. Rhetoric and Composition II Studio. 1 Hour.
A supplement to Rhetoric and Composition II (EH 124), this course is required for students placed as basic writers and optional for all other students. Placed students must pass both this course and Rhetoric and Composition II. Class meets once a week. Class size is limited to eight. Curriculum is coordinated with EH 124 instructor and tailored to the needs of students. Pass-Fail only. (Note: credit does not apply toward graduation.) Prerequisite(s): EH 123 and EH 103.

EH 123. Rhetoric and Composition I. 3 Hours.
This course teaches techniques for effective oral and written communication. In a workshop environment that features continual instructor and peer evaluation, students develop a process approach to writing and speaking. Students will write in a variety of genres and will reinforce rhetorical strategies pertaining to audience awareness while practicing oral delivery skills. A grade of C or better is required to pass the course.
EH 124. Rhetoric and Composition II. 3 Hours.
This course teaches techniques for effective oral and written communication. In a workshop environment that features continual instructor and peer evaluation, students develop a process approach to writing and speaking. Logical argumentation, academic conventions, and research-related skills are the primary focus. Public speeches are based on written assignments that incorporate various source materials. As students explore connections between the written and spoken word, the significance of nonverbal language and listening skills are emphasized. A grade of C or better is required to pass the course. Prerequisite(s): EH 123 or EH 111.

EH 199. Topic/. 1 Hour.
This course is intended to provide the opportunity to offer introductory courses in English that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

EH 200. Approaches to Literature. 3 Hours.
Introduces students to the study of literature and the fundamental of literary research. Students explore fiction, poetry, and drama from both the western and non-western worlds. The creative process is explored through reading, discussion, research and writing. Additionally, the key themes of power, identity, justice and adaptation and explored in relation literature. Prerequisite(s): (EH 123 and EH 124) or EH 111.

EH 229. Introduction to Poetry. 3 Hours.
This course provides a critical exploration into the sound and sense of verse in English, from is traditional forms (e.g. the sonnet, villanelle and sestina) to more recent styles (e.g. free verse, experimental and avant grade poetry). Special attention to the devices of meter, rhyme, rhetoric and wordplay will enhance students' understanding of the complementary relationship between poetic content (what a poem says) and form (how is is said). Prerequisite(s): EH 200 or EH 112.

EH 230. Introduction to the Short Story. 3 Hours.
This course introduces students to the narrative methods and storytelling strategies that define short fiction. Readings include short stories by traditional and contemporary writers from diverse national and cultural backgrounds. Attention will be given to individual stories and their function in the broader context of entire collections of short fiction. Prerequisite(s): EH 200.

EH 232. Intro to Drama/Play Production. 3 Hours.
This course examines dramatic writing and performance as a vehicle of cultural communication from the ancient world to the present day. Topics studied include forms and definitions of drama, history of play production, staging and criticism. Prerequisite(s): EH 200.

EH 233. Introduction to the Novel. 3 Hours.
This course provides a study of the novel, including its aesthetic development, critical reception, and social function, from its origins in the eighteenth-century to its contemporary practitioners. Specific topics and texts may vary according to instructor and student preference and may include Bradford, Bradstreet, Edwards, Hawthorne, Emerson, Melville, Thoreau and Douglas. Prerequisite(s): EH 200.

EH 234. American Literature I. 3 Hours.
This course presents a survey of American writing from the Colonial period to the Civil War with focus on the intellectual movements and literary output of Puritanism, Native American literature, Romanticism, the Transcendentalists and slavery narratives. Specific topics and texts may vary according to instructor and student preference and may include such writers as Bradford, Bradstreet, Edwards, Hawthorne, Emerson, Melville, Thoreau and Douglas. Prerequisite(s): EH 200.

EH 235. American Literature II. 3 Hours.
This course presents an overview of American Literature from the end of the Civil War to 1945. It may include authors and works from the Gilded Age, Progressivism, World War I, the Expatriates, the Jazz Age and the Harlem Renaissance. The course studies the role of literature to express and influence social, economic, and cultural realities of the United States. Specific topics and texts vary according to instructor and student preference and may include Twain, Bierce, Dickinson and Whitman. Prerequisite(s): EH 200 or EH 112.

EH 241. British Literature I. 3 Hours.
This course provides a study of canonical authors and works of the British Isles from medieval times to the modern era. Depending on instructor and student preference, texts and authors may include Beowulf, Chaucer, Langland, Malory, Donny, Shakespeare, Milton, Swift, Austen, Wordsworth, the Brontes, Tennyson, Arnold, Conrad and Woolf. Prerequisite(s): EH 200.

EH 242. British Literature II. 3 Hours.
This course surveys British literature from 1660 to the present. It will combine historical, cultural, and linguistic approaches in the study of various literary genres, considering along the way what shapes definitions of language, tradition, nation, and literature. Readings, class discussions, research and writing assignments aim to give students a broad look at a number of canonical writers, intellectual movements, and influential changes that have accompanied the development of British writing since the Restoration. The course is intended for majors and non-majors alike. Prerequisite(s): EH 200.

EH 251. World Literature I. 3 Hours.
This course surveys significant writings in Eastern and Western tradition, from ancient Babylonian civilization to the English Restoration. Selected texts depend on instructor and student interest and may include Gilgamesh, Greco-Roman mythology, Homer's Odyssey, the Old and New Testaments, Indian epic, Dante's Divine Comedy and Japanese haiku. Prerequisite(s): EH 200.

EH 252. World Literature II. 3 Hours.
The second of two world literature surveys, this course concentrates on literary works from the English Restoration to the modern era. The primary goal for the course is to define the role of literature as it occurs through a wide range of social, cultural and geographical contexts. Selected texts depend on student and instructor interest and may include Voltaire, Borges, Mahfouz, Tagore, Mishima, Garcia Marquez and Achebe. Prerequisite(s): EH 200.

EH 275. Creative Writing Workshop. 3 Hours.
This course is an introduction to the writing of creative short fiction, poetry, and personal essay. As students workshop their own writing and offer feedback to the writing of classmates, they are exposed to a variety of writing techniques in all three genres in order to help develop their own writing style and voice. Emphasis is placed on the importance of revision and writing as a process. Prerequisite(s): EH 200.

EH 299. Topic/. 3 Hours.
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This survey course will introduce students to the study of the nature of human language. During the course, students will be exposed to origins of human language, myths about language, language principles, writing systems, phonology/phonetics, morphology, syntax, psycholinguistics, social linguistics, first and second language acquisition, historical linguistics, and language and politics, semantics and pragmatics. The goal of this course is to expose the students the complexity of human language. Prerequisite(s): EH 123 and EH 124 and EH 200.

EH 303. Canadian Literature. 3 Hours.
This course will focus on the major thematic concerns that have shaped Canadian literature from the pre-Confederation era to the present day. Literary examples will be drawn from works concerned with ethnicity, colonization, the wilderness, identity formation, and the Francophone/Anglophone divide. Primary attention will be given to texts focusing on the world of work as it has been envisioned by Canadians. Selected poetry and prose from diverse, canonical authors such as Frances Brooke, Susanna Moodie, Isabella Valancy Crawford, Charles Sangster, John Richardson, Joy Kogawa, Alice Munro, Margaret Atwood, David Adams Richard, and Yann Martel will be examined. Depending on the season, a day trip to King’s Landing – a living museum of Canadian history about three hours from Bangor – could be undertaken. Prerequisite(s): EH 112 or EH 200.

EH 311. Topics in Professional Communication. 3 Hours.
This course builds upon the rhetorical foundation established in EH 123 and EH 124 to introduce students to the skills central to effective professional writing. These skills include an ability to apply composition theory and advanced rhetorical strategies to various professional contexts, such as business, engineering, and professional publishing. In addition, students will learn how to conduct research in a variety of professions, communicating these findings in specific professional genres, which include short stories, poems, novels, business letters, memos, internal and external proposals, analytic reports, and scientific articles. Prerequisite(s): EH 200.

EH 312. Film as Literature. 3 Hours.
This course is intended as an introduction to film studies course. Students will learn to read film by analyzing structure, narrative form, diegetic and non-diegetic elements, mise en scene, generic conventions, motifs, cinematography and editing techniques as they pertain to a given theme followed through a chronological development of film in a given cultural context,(this varies depending upon instructor). The course will stress writing about film through scene analysis papers, journals, and midterm and final essay exams. A formal presentation is also required. Prerequisite(s): EH 123 and EH 124 and EH 200.

EH 320. Literature and Medicine. 3 Hours.
This course approaches ethical, social, and psychological issues in health care through the study of literature. Texts from various genres will frame exploration of the caregiver-patient relationship from alternating perspectives and in diverse social environments, historical contexts, and cultural surroundings. The course emphasizes skills of critical close-reading, research, oral and written argument through class discussion, essays, and presentations. Prerequisite(s): EH 200.

EH 322. Group Leadership and Conference Techniques. 3 Hours.
This course involves experiential learning of leadership, interpersonal communication, and conference activities. Students develop and present individual and group programs based on issues and policies within their degree programs, and/or professional and civic organizations. Prerequisite(s): EH 121 and EH 221.

EH 330. Introduction to Literary and Cultural Theory. 3 Hours.
The goal of this course is to introduce students to the theories upon which advanced literary and cultural analyses are founded. These theories help scholars discover and articulate the role literature plays in our understanding of social associations and cultural tradition, institutions that shape the values and norms through which we define truth and, so, meaning. Prerequisite(s): (EH 123 and EH 124) or College Level=Sophomore.

EH 342. Native American Literatures of North America. 3 Hours.
Students will examine Native American Literatures, including traditional stories, non-fiction, fiction and poetry from authors of different Native American tribes. A variety of themes, including Native American identity and the role literature plays in cultural change, will be covered. Students will investigate these issues through a series of reading journals, two longer response papers, a significant research essay, and two formal presentations. Prerequisite(s): EH 123 and EH 124 or College Level=Sophomore.

EH 350. The History of the English Language. 3 Hours.
The History of the English Language offers a study of Old, Middle, and Modern English. Furthermore, the course will address how the nature and mechanisms of language change over time, as well as the social, political, and other historical conditions that relate to such changes. The course will also attend to phonology, morphology, syntax, lexicography, and semantics, as well as to the broader cultures of the relevant periods. Prerequisite(s): EH 123 and EH 124.

EH 352. Advanced Writing Internship. 3 Hours.
This course is designed to combine training for writing tutors with practical experience in the Writing Center. Students will study rhetoric and composition theory and explore issues that interfere with successful student writing, both their own and that of others. Acquired knowledge will be applied in both classroom role-playing situations and actual tutorial experiences in the Writing Center. Emphasis will be on preparing students for possible future roles as peer tutors in the Writing Center. Prerequisite(s): EH 112.
EH 360. Writing in the Health Professions. 3 Hours.
Writing in the Health Professions is designed to introduce you to various techniques and methods of communicating within the health professions. The required assignments expose you to the documents you will encounter in your physical therapy, occupational therapy, or other health science courses and careers. Through these assignments, the readings, and class discussions, you will develop the clear and focused writing style required in a technical or scientific context. Prerequisite(s): EH 200.

EH 411. Seminar in Literature. 3 Hours.
This is an upper-level seminar course of variable content determined by current faculty research and student interests. Previous topics include Shakespeare, Virginia Woolf, Twentieth Century Poetry and Literature of Place. Prerequisite(s): EH 200.

EH 453. Major Plays of Shakespeare. 3 Hours.
This course will examine Shakespeare’s major plays. The plays will be examined in context of Shakespeare’s background and English Renaissance thought. Plays covered in this course may vary, and students will examine selections from Shakespeare’s histories, tragedies, romances, and/or comedies. Prerequisite(s): EH 200.

EH 499. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer upper level literature courses in English that are not normally included in the ongoing curriculum at Husson University. Topics will depend upon the interests of students and faculty. Prerequisite(s): EH 123 and EH 124 and EH 200.

BS Healthcare Studies - Master of Business Administration

Bachelor of Science Healthcare Studies - Master of Business Administration

Candidates for the Bachelor of Science/Master of Business Administration Degrees are required to complete a minimum of 150 semester hours maintaining an undergraduate grade point average of 2.0, 2.0 overall in their major courses, and a 3.0 graduate grade point average. In order to begin enrolling in graduate courses, a student must earn an undergraduate grade point average of 3.0 upon completion of 90 undergraduate credits. Certain graduate courses may require advisor approval. Transfer students must complete a minimum of thirty (30) credit hours at Husson University. At least fifteen (15) credits must be earned at Husson Healthcare Studies courses.

General Education Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>CM 100</td>
<td>Speech</td>
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</tr>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
<td>3</td>
</tr>
<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
<td>3</td>
</tr>
<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
</tr>
<tr>
<td>EH 360</td>
<td>Writing in the Health Professions</td>
<td>3</td>
</tr>
<tr>
<td>HE 111</td>
<td>The Husson Experience ***</td>
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<tr>
<td>MI 111</td>
<td>Introduction to Microcomputing</td>
<td>3</td>
</tr>
<tr>
<td>MI 210</td>
<td>Basic Database Design and Implementation</td>
<td>3</td>
</tr>
<tr>
<td>MI 214</td>
<td>Microcomputer Spreadsheet Applications</td>
<td>3</td>
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<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
<td>3</td>
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<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
<td>4</td>
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<tr>
<td>PY 111</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 141</td>
<td>Human Growth and Development</td>
<td>3</td>
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<tr>
<td>SC 104</td>
<td>Organismal Biology</td>
<td>3</td>
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<tr>
<td>SC 120</td>
<td>Functional Anatomy and Physiology</td>
<td>3</td>
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<td>SL 120</td>
<td>Functional Anatomy and Physiology Lab</td>
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<td>SC 292</td>
<td>Epidemiology</td>
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<td>Communications Elective</td>
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<td>Foreign Culture &amp; Conversation Elective</td>
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<td>Global Elective</td>
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<tr>
<td>History Elective</td>
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| Program Requirements

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<tr>
<td>BA 211</td>
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<td>BA 212</td>
<td>Macroeconomics</td>
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<tr>
<td>HS 101</td>
<td>Introduction to Health Care Studies</td>
<td>3</td>
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<tr>
<td>HS 121</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>HS 299</td>
<td>Topic/ (Global Health)</td>
<td>3</td>
</tr>
<tr>
<td>HS 301</td>
<td>Introduction to Public Health</td>
<td>3</td>
</tr>
<tr>
<td>HS 311</td>
<td>Healthcare Management and Organization</td>
<td>3</td>
</tr>
<tr>
<td>HS 321</td>
<td>Healthcare Law and Ethics</td>
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<td>HS 411</td>
<td>Health Economics and Policy</td>
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<td>HS 421</td>
<td>Health Care Studies Senior Experience</td>
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<tr>
<td>HS 491</td>
<td>Health Care Studies Internship</td>
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Graduate Courses

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BA 600</td>
<td>Research Methods in Business and Education</td>
<td>3</td>
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<tr>
<td>BA 602</td>
<td>Managerial Accounting</td>
<td>3</td>
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<tr>
<td>BA 605</td>
<td>Management Communications</td>
<td>3</td>
</tr>
<tr>
<td>BA 620</td>
<td>Financial Management</td>
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</tr>
<tr>
<td>BA 621</td>
<td>Marketing Management</td>
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</tr>
<tr>
<td>BA 625</td>
<td>Global Strategic Management</td>
<td>3</td>
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<td>BA 643</td>
<td>Strategic Change Management</td>
<td>3</td>
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<td>Graduate Business Elective</td>
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Suggested Course Sequence

First Year

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>EH 123</td>
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<tr>
<td>HE 111***</td>
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<tr>
<td>MI 111</td>
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<tr>
<td>Open Elective</td>
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<td>MS 141</td>
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<td>SC 104</td>
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Second Year

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>EH 200</td>
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<td>HS 121</td>
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SC 120  Functional Anatomy and Physiology  3
SL 120  Functional Anatomy and Physiology Lab  1
SC 292  Epidemiology  3
Communications Elective  3
Ethics Elective  3
Fine Arts Elective  3
Foreign Culture & Conversation Elective  3
Global Elective  3
History Elective  3
Psychology Elective  3
Open Elective  9
Program Requirements
BA 211  Microeconomics  3
BA 212  Macroeconomics  3
HS 101  Introduction to Health Care Studies  3
HS 121  Medical Terminology  3
HS 299  Topic/ (Global Health)  3
HS 301  Introduction to Public Health  3
HS 311  Healthcare Management and Organization  3
HS 321  Healthcare Law and Ethics  3
HS 411  Health Economics and Policy  3
HS 421  Health Care Studies Senior Experience  3
HS 491  Health Care Studies Internship  3-6
Healthcare Studies Elective  9
Graduate Business Elective  9
Total Hours  150-153

Suggested Course Sequence

First Year

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<thead>
<tr>
<th>Course</th>
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<tr>
<td>EH 123</td>
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<td>SC 104</td>
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<tr>
<td>Ethics Elective</td>
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Second Year

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<tr>
<td>EH 200</td>
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<td>HS 121</td>
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### Husson University

<table>
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<tr>
<th>Course</th>
<th>Fall Hours</th>
<th>Spring Hours</th>
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<tr>
<td>HS 101</td>
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<tr>
<td>MS 132</td>
<td>3</td>
<td></td>
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<tr>
<td>Fine Arts Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SC 120 &amp; SL 120</td>
<td>4</td>
<td>Global Elective 3</td>
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<td><strong>Total</strong></td>
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| Third Year              |            |              |
| Fall                   | Hours      | Spring Hours |
| BA 211                 | 3          | BA 212       |
| CM 100                 | 3          | Open Elective 3 |
| EH 360                 | 3          | HS 301       |
| HS 311                 | 3          | MI 210       |
| HS 321                 | 3          | SC 292       |
| **Total**              | 15         | 15           |

| Fourth Year             |            |              |
| Fall                   | Hours      | Spring Hours |
| BA 600                 | 3          | BA 620       |
| BA 602                 | 3          | BA 643       |
| Communications Elective | 3          | HS 491       |
| Healthcare Studies Elective | 3          | Healthcare Studies Elective 3 |
| Psychology Elective    | 3          | Open Elective 3 |
| **Total**              | 15         | 15-18        |

| Fifth Year              |            |              |
| Fall                   | Hours      | Spring Hours |
| BA 605                 | 3          | BA 625       |
| BA 621                 | 3          | HS 421       |
| HS 411                 | 3          | Graduate Business Elective 3 |
| Graduate Business Elective | 3          | Graduate Business Elective 3 |
| Healthcare Studies Elective | 3          |
| **Total**              | 15         | 12           |

Total Hours: 150-153

*** Credit may not be required for degree completion.

### BA Courses

**BA 101. Introduction to Business. 3 Hours.**
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

**BA 111. Economic Geography. 3 Hours.**
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

**BA 201. Business Law I. 3 Hours.**
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

**BA 202. Business Law II. 3 Hours.**
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

**BA 204. Franchise Formation and Management. 3 Hours.**
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

**BA 205. Real Estate Law. 3 Hours.**
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

**BA 210. Economics Overview for Non-Business Majors. 3 Hours.**
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

**BA 211. Microeconomics. 3 Hours.**
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

**BA 212. Macroeconomics. 3 Hours.**
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

**BA 220. Real Estate Principles and Practices. 3 Hours.**
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.
BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or ( Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.
BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.

BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level-Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student's choice summarizes the student's knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.
BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): BA 362.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.
BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student’s experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.
BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student's leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.
BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization’s approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student’s preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator’s decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student’s personal preferences with regard to location and types of property. However, the student’s preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students’ awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.
BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. GroupThink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.
BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

HS Courses

HS 100. Overview of Careers in Health Care. 1 Hour.
This course introduces the students to the different employment possibilities for a Health Care Studies graduate. Seminars will feature invited speakers to discuss how their company works and what positions they might have for a graduate in Health Care Studies. In addition, Students can visit different facilities to see first-hand how their studies in Health Care can be applied to different job settings through virtual tours.

HS 101. Introduction to Health Care Studies. 3 Hours.
This course will introduce the students to the health care industry, and will consist of lectures, readings, discussions, and visiting professionals. While the principal goal will be to inform students of the necessary skills needed to succeed in the health care field, a secondary goal will have the student be able to articulate the background to almost any article relating to the challenges of national health care.

HS 121. Medical Terminology. 3 Hours.
This course introduces students to the language used in describing and coding of clinical visits, medical procedures and on medical forms. The ability to understand complex medical terms will be gained by the analysis of prefixes, word roots and suffixes. Coding of diseases (ICD-9) and medical insurance language will also be emphasized.

HS 299. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer courses in health care studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

HS 301. Introduction to Public Health. 3 Hours.
This course is an introductory overview of the U.S. Public Health System with an emphasis on the core areas of public health, challenges and strategies for working with communities, and specific health issues that impact the health of the population. We will look at environmental and behavior factors associated with health promotion and disease prevention and view different national programs and programs going on in Maine.

HS 311. Healthcare Management and Organization. 3 Hours.
This course will introduce junior year students to the complexity of healthcare organizations and how they are managed. An overview of the historical development of the modern healthcare organization, as well as the contemporary management roles and functions within them, will be reviewed. Measuring performance and quality improvement will also be taught. The importance of the roles of physicians, nurses, as well as other professionals and support staff will be highlighted. Theories of healthcare leadership will also be explored. Prerequisite(s): (HS 101) or (Major=MS Occupational Therapy and (College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior)).

HS 321. Healthcare Law and Ethics. 3 Hours.
This course is a summation and integration of Ethics and Law within the context of healthcare delivery. The class will be introduced to the ethical and moral considerations of the healthcare professions by exploring their historical development. Students will also discover how the law influences the healthcare profession and be introduced to our complex legal structure through exposure to case law and regulations. Prerequisite(s): HS 101 and HS 121 and PH 110.

HS 401. Medical Databases. 3 Hours.
This course is designed as a continuation of HS 121 (medical terminology) and MI 214. Students will learn about and contrast different types of electronic medical records systems. They will learn how to transfer and share data with people from same clinics to people outside of the system and learn about the ethical and legal issues of sharing data. Prerequisite(s): HS 121 and (MI 111 or MI 214).

HS 411. Health Economics and Policy. 3 Hours.
This course will introduce senior Health Care Studies students to beginning healthcare economics and its influence on health policy. The course will emphasize the economic issues of scarcity, choice, supply and demand, marginal analysis, substitutes, and externalities as they relate to health care policies. National health insurance, as a rapidly evolving idea for the future, will also be analyzed and evaluated. Prerequisite(s): HS 101 and HS 311.

HS 421. Health Care Studies Senior Experience. 3 Hours.
This course combines students past course work into one research project. Each student will be required to plan and carry out an investigation into some health area of interest and write-up and report their experiences and results to the whole class. In addition they will put together a portfolio, resume and cover letter for a job of their choice. Prerequisite(s): Major=BS Health Care Studies.

HS 491. Health Care Studies Internship. 3-6 Hours.
This course offers the students experiences in a work and/or research environment dedicated to health care or public health. Each student chooses and contacts a hospital, clinic, health center, public health department or health care business and spends a total of 100 hours in that setting. Activities will include training/orientation, work on projects relevant to the mission of the agency, observation of agency work processes, and other assigned work from the site liaison. Students keep daily journals and meet three times during the semester for training and to share their experiences. Prerequisite(s): Major=BS Health Care Studies and (College Level=Junior or College Level=Senior).

HS 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in health care studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

B.S. Healthcare Studies - Master of Business Administration - Healthcare Management

Bachelor of Science Healthcare Studies - Master of Business Administration - Healthcare Management

Candidates for the Bachelor of Science/Master of Business Administration Degrees are required to complete a minimum of 150 semester hours maintaining an undergraduate grade point average of 2.0, 2.0 overall in their major courses, and a 3.0 graduate grade point average. In order to begin enrolling in graduate courses, a student must earn an undergraduate grade point average of 3.0 upon completion of 90 undergraduate credits. Certain graduate courses may require advisor approval. Transfer students must complete a minimum of thirty (30) credit hours at Husson University. At least fifteen (15) credits must be earned at Husson Healthcare Studies courses.

General Education Electives
### Suggested Course Sequence

#### First Year

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<th>Fall</th>
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<td>EH 123</td>
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<td>HE 111***</td>
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<td>Open Elective</td>
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<td>History Elective</td>
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<td>MS 141</td>
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<td>Foreign Culture and Conversation Elective</td>
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<td>SC 104</td>
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<td>Ethics Elective</td>
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<td>MS 132</td>
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<td>Fine Arts Elective</td>
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<td>BA 701</td>
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**Total Hours:** 150-153
BA 210. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 211. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 234. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings.

BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.
BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or (Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English - Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.

BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.

BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategy to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.
BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of productions management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student’s choice summarizes the student’s knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.

BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.
BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.
BA 600. Research Methods in Business and Education. 3 Hours. This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours. This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours. This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours. This is an advanced communications course that builds upon a student's experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours. This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours. Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours. This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours. Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours. This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours. This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours. This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.

BA 628. New Venture Planning and Management. 3 Hours. This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours. This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours. This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student’s leadership style with the most effective working models of leadership.
BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization's approach to marketing and strategic positioning.

BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.
BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student's preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator's decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student's personal preferences with regard to location and types of property. However, the student's preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology’s effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and placing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students’ awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.

BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.
BA 762. Groupthink. 3 Hours.
This course explores the origin of groupthink. Groupthink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores groupthink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

HS Courses

HS 100. Overview of Careers in Health Care. 1 Hour.
This course introduces the students to the different employment possibilities for a Health Care Studies graduate. Seminars will feature invited speakers to discuss how their company works and what positions they might have for a graduate in Health Care Studies. In addition, students can visit different facilities to see first-hand how their studies in Health Care can be applied to different job settings through virtual tours.

HS 101. Introduction to Health Care Studies. 3 Hours.
This course will introduce the students to the health care industry, and will consist of lectures, readings, discussions, and visiting professionals. While the principal goal will be to inform students of the necessary skills needed to succeed in the health care field, a secondary goal will have the student be able to articulate the background to almost any article relating to the challenges of national health care.

HS 121. Medical Terminology. 3 Hours.
This course introduces the students to the language used in describing and coding of clinical visits, medical procedures and on medical forms. The ability to understand complex medical terms will be gained by the analysis of prefixes, word roots and suffixes. Coding of diseases (ICD-9) and medical insurance language will also be emphasized.

HS 299. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer courses in health care studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

HS 301. Introduction to Public Health. 3 Hours.
This course is an introductory overview of the U.S. Public Health System with an emphasis on the core areas of public health, challenges and strategies for working with communities, and specific health issues that impact the health of the population. We will look at environmental and behavior factors associated with health promotion and disease prevention and view different national programs and programs going on in Maine.
HS 311. Healthcare Management and Organization. 3 Hours.
This course will introduce junior year students to the complexity of healthcare organizations and how they are managed. An overview of the historical development of the modern healthcare organization, as well as the contemporary management roles and functions within them, will be reviewed. Measuring performance and quality improvement will also be taught. The importance of the roles of physicians, nurses, as well as other professionals and support staff will be highlighted. Theories of healthcare leadership will also be explored. Prerequisite(s): (HS 101) or (Major=MS Occupational Therapy and (College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior)).

HS 321. Healthcare Law and Ethics. 3 Hours.
This course is a summation and integration of Ethics and Law within the context of healthcare delivery. The class will be introduced to the ethical and moral considerations of the healthcare professions by exploring their historical development. Students will also discover how the law influences the healthcare profession and be introduced to our complex legal structure through exposure to case law and regulations. Prerequisite(s): HS 101 and HS 121 and PH 110.

HS 401. Medical Databases. 3 Hours.
This course is designed as a continuation of HS 121 (medical terminology) and MI 214. Students will learn about and contrast different types of electronic medical records systems. They will learn how to transfer and share data with people from same clinics to people outside of the system and learn about the ethical and legal issues of sharing data. Prerequisite(s): HS 121 and (MI 111 or MI 214).

HS 411. Health Economics and Policy. 3 Hours.
This course will introduce senior Health Care Studies students to beginning healthcare economics and its influence on health policy. The course will emphasize the economic issues of scarcity, choice, supply and demand, marginal analysis, substitutes, and externalities as they relate to health care policies. National health insurance, as a rapidly evolving idea for the future, will also be analyzed and evaluated. Prerequisite(s): HS 121 and (MI 111 or MI 214).

HS 421. Health Care Studies Senior Experience. 3 Hours.
This course combines students past course work into one research project. Each student will be required to plan and carry out an investigation into some health area of interest and write-up and report their experiences and results to the whole class. In addition they will put together a portfolio, resume and cover letter for a job of their choice. Prerequisite(s): Major=BS Health Care Studies.

HS 491. Health Care Studies Internship. 3-6 Hours.
This course offers the students experiences in a work and/or research environment dedicated to health care or public health. Each student chooses and contacts a hospital, clinic, health center, public health department or health care business and spends a total of 100 hours in that setting. Activities will include training/orientation, work on projects relevant to the mission of the agency, observation of agency work processes, and other assigned work from the site liaison. Students keep daily journals and meet three times during the semester for training and to share their experiences. Prerequisite(s): Major=BS Health Care Studies and (College Level=Junior or College Level=Senior).

HS 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in health care studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

Programs in Psychology
The field of psychology focuses on the examination of mental processes and behavior and basic behavioral functions such as sensation, perception, learning, thinking, language, motivation, personality, and emotion. The program in Psychology provides students with a background of fundamental subject matter that will equip them for subsequent graduate study in psychology and related fields, assist them in careers in medicine, education, law, business, or other professions involving human services, and provide them with an understanding of behavior useful in everyday personal and community life.

Requirements for Psychology Majors
Students must earn an overall 2.5 cumulative grade-point average as well as 2.5 in their Psychology courses. Transfer students must complete a minimum of 15 credit hours in PY prefix courses at Husson to be eligible for graduation.

Certification
Students receiving a Husson four-year degree in Psychology and meeting State of Maine requirements for the MHRT/C may apply for this certification upon graduation. This certification enables graduates to undertake entry-level case management and educational programs in mental health settings that are supported by the State of Maine.

Courses
PY 111. General Psychology. 3 Hours.
This is a scientifically based introduction to the discipline of psychology. It examines the study of basic patterns of behavior including motivation, learning, emotions, the physiological basis of behavior, human growth and development, personality theory and measurement, and abnormal and deviant behavior.

PY 141. Human Growth and Development. 3 Hours.
This course includes physiological processes of development including conception, prenatal growth, birth, maturation, and aging, provide a framework for examining the cognitive, affective and social development of the individual during his/her life-span. Prerequisite(s): PY 111.

PY 231. Social Psychology. 3 Hours.
This course exposes the student to classic research in the field of social influence and perception. Students are introduced to several concepts that provide understanding of the world in new ways. Prerequisite(s): PY 111.

PY 232. Abnormal Psychology. 3 Hours.
This is a comprehensive course focusing on the better understanding of the field as an area of active inquiry both in clinical practice and in research. A complete presentation of the most important theoretical models along with topics that reflect contemporary interests are examined. Developmental perspectives along with current views of abnormality and current treatment approaches are studied. Prerequisite(s): PY 111.

PY 233. Psychology of Human Sexuality. 3 Hours.
This course examines the historical, behavioral, and psychological dimensions of human sexuality. Topics typically include sexual maturation, gender identity, sexual orientation, development and maintenance of healthy sexual relationships, sexual attitudes, normal sexual behavior, abnormal sexual behavior, sexual dysfunction, sexual trauma, and cross-cultural sexual practices. Prerequisite(s): PY 111 and PY 141.
PY 242. Research Methods. 3 Hours.
In this course students will cover basic topics in research methodology in psychology. They will learn how to develop research questions, identify problems inherent in many research designs, and how to present their findings. They will also cover ethical issues related to research with human beings and animals. Prerequisite(s): PY 111 and MS 132.

PY 299. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer courses in psychology that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty. Prerequisite(s): PY 111 and (PY 141 or PY 241).

PY 322. Diversity & Multiculturalism. 3 Hours.
This course critically explores an array of cultural forces as well as issues entailed by lifestyle diversity that may help play significant roles in shaping students' understanding of and approaches to assisting individuals with emotional or psychological difficulties or who are experiencing problem in making adaptive adjustments to life's many transitions. Prerequisite(s): PY 111 and (PY 141 or PY 241).

PY 333. Psychology of Personality. 3 Hours.
This is a critical review of methods and content in the study of personality. The development of the field, with attention to recent applications of scientific methods to problems of personality, is examined. A survey of major theories of personality is undertaken. Prerequisite(s): PY 111.

PY 335. Intro to Rehabilitation. 3 Hours.
The course will provide a basic foundational study of rehabilitation counseling with a conceptual overview of the professional, historical, theoretical and research foundations, as well as the counseling applications of the rehabilitation profession. Prerequisite(s): PY 241 and (PY 332 or PY 232).

PY 336. Evolutionary Psychology. 3 Hours.
Evolutionary psychology will examine the impact evolutionary theory on the field of psychology. This course links psychology, anthropology, and biology and examines why contemporary humans behave and think the way they do. It examines the proximate and ultimate causes of behavior with an emphasis on function. The course begins with an overview of heredity and evolutionary theory and then discusses research on evolutionary factors that influence human learning, thinking, motivation, and emotion. It also covers the evolutionary explanations for social behavior such as cooperation and competition, and mate-selection and parenting. Prerequisite(s): PY 111 and PY 141.

PY 338. Cognitive Psychology. 3 Hours.
This course provides students with an overview of the theories and research in cognition. The course covers diverse topics such as memory, attention, judgment, decision making, problem solving, language, intelligence, sensation, perception, and sensory integration. In addition, this course integrates concepts from many diverse areas of psychology including biopsychology, learning, development, educational psychology, and sociocultural psychology, as well as other scientific disciplines. Prerequisite(s): PY 111 and PY 141 and PY 242.

PY 340. Physiological Psychology. 3 Hours.
This course examines behavior as viewed by the biological perspective. It is an introduction to and survey of the physiological bases of behavior, including biochemical and neurophysiological determinants of sensation, motor control, sleep, eating and drinking, learning and memory, language and mental disorders. Prerequisite(s): PY 111.

PY 341. Gerontology. 3 Hours.
This course is designed to expose the students to the most relevant and current problems in the field of aging and present a variety of divergent views on the appropriate solutions to these problems. The topics covered include demographic trends, the aging process, longevity, social attitudes toward old age, problems and potentials of aging, retirement, death, living environments in later life and social policies, programs and services for older people. Also, mental and physical health, cognitive and personality development, relationships and sexuality are studied. The key theories on aging and the influence of scientific knowledge, changing world views and historical events on theoretical viewpoints are examined. Prerequisite(s): PY 241 or PY 141.

PY 344. Early Childhood. 3 Hours.
This course is designed to expose students to the interplay among biological, social and cultural factors in children's development and examine its multiple determination. Basic research, theoretical models and applications of knowledge in areas such as prenatal environment, heredity and environment, sensation, perception and learning, emotional development, language and communications, intelligence, family, peers, morality, altruism, aggression, gender roles and differences, and technology and television are examined. Prerequisite(s): PY 241 or PY 141.

PY 345. Therapeutic Psychology. 3 Hours.
This course covers an introduction to the principles and techniques to counseling and psychotherapy with attention given to professional identity factors, theoretical and research foundations, counseling applications, current issues in therapeutic practice, and the place and obligations of the psychotherapist in the profession. Prerequisite(s): PY 111 and (PY 332 or PY 232) and (PY 241 or PY 141) and PY 412.

PY 346. Adolescent Psychology. 3 Hours.
This course examines the contextual development of adolescents as they transition through biological, cognitive, and social changes. These contextual transitions include the family, peer groups, schools, and work and leisure. Also, the developmental issues of identity, autonomy, intimacy, sexuality, achievement and psychosocial problems are explored. Prerequisite(s): PY 241 or PY 141.

PY 410. History and Systems of Psychology. 3 Hours.
This course provides students with an overview of the historical trends, influential people, theoretical developments, and empirical findings that are either foundational for the discipline or have shaped the current directions in psychology. Prerequisite(s): PY 111 and PY 141 and PY 333.

PY 411. Psychological Tests and Measurements. 3 Hours.
This course is designed to provide an introduction to the principles of psychological testing. The topics it covers include the definition of psychological testing, the role of testing in evaluation of persons, the types of tests and purposes for which they are applied, principles of test construction including a review of relevant statistical concepts, item selection, standardization, reliability and validity. In addition, this course will consider and examine some major tests used in assessment of personality, intelligence, interests, and neuropsychology and the standards for ethical practice in psychological testing. Prerequisite(s): (MS 111 or MS 141 or MS 180 or MS 181) and MS 132 and (PY 332 or PY 232) and (PY 242 or PY 342).
PY 412. Social Service Field Placement. 3 Hours.
Social Services Practicum in Psychology is designed to provide students experiences in which others are assisted or served. Students select a developmental stage of interest or identified group with a specific need, then participate in an existing program or develop a project that can assist people of this stage or identified population in need. The course content is individualized so that students explore personal and professional interests while participating in a social service project. Student's experiences are shared during classes so that class members benefit from other's experiences. Prerequisite(s): PY 345 and (PY 241 or PY 141).

PY 431. Behavior Modification/Seminar in Learning. 3 Hours.
This is an advanced course examining how learning principles influence human behavior. The extension of these principles and concepts emerging from the experimental analysis of behavior to problems of behavior modification in academic, social, and industrial settings is studied. Prerequisite(s): PY 333 and (PY 332 or PY 232).

PY 442. Seminar in Psychology. 3 Hours.
This is a capstone course designed to review the academic work and empirical experiences of psychology majors in the field, but not excluding the incorporation of other academic and collegiate experiences from psychology's point of view. Additionally, this course provides students the opportunity to explore topics they deem important. The course helps prepare students for program completion and a smooth transition from collegiate to professional life. It also provides a review of the students’ academic experiences and verifies that all of the collegiate co-curricular expectations have been met. Prerequisite(s): College Level=Senior and (Major=BS Psychology - Crim Justice or Major=BS Psychology - General or Major=BS Psychology/Clinical or Major=BS Psychology - MHRT/C Certification or Major=BS Psychology).

PY 447. Trauma and Recovery. 3 Hours.
The theory and methodology of sexual abuse, non-sexual trauma, and the effects of trauma is examined. Awareness of abuse, recognizing the sources of trauma and developing a recovery plan through the use of available resources for prevention and treatment in the State of Maine will also be covered. Prerequisite(s): (PY 141 or PY 241) and (PY 232 or PY 332) and (PY 345 or PY 450).

PY 450. Introduction to Counseling and Psychotherapy. 3 Hours.
This course covers an introduction to the principles and techniques to counseling and psychotherapy with attention given to professional identity factors, theoretical and research foundations, counseling applications, current issues in therapeutic practice, and the place and obligations of the psychotherapist in the profession. Prerequisite(s): (PY 141 or PY 241) and (PY 232 or PY 332).

PY 491. Field Placement. 3 Hours.
Field Placement in Psychology is designed to introduce students to the actual fieldwork in mental health that is related to their career goals. This is a highly individualized class that is structured to meet the individual educational and career related needs of each student. Weekly class meetings will focus on issues relevant to providing mental health services to patients, becoming aware of various systems that support provision of mental health services, and increasing one's self-awareness in regards to working in mental health systems and providing mental health services. Students must receive approval from their advisor before they can register. Prerequisite(s): (PY 141 or PY 241) and (PY 232 or PY 332).

PY 499. Topic/. 3-3 Hours.
This course is intended to provide the opportunity to offer advanced courses in psychology that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty. Prerequisite(s): PY 111 and (College Level=Junior or College Level=Senior).

B.S. Psychology

General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EH 123</td>
<td>Rhetoric and Composition I</td>
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<tr>
<td>EH 124</td>
<td>Rhetoric and Composition II</td>
<td>3</td>
</tr>
<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
</tr>
<tr>
<td>HE 111</td>
<td>The Husson Experience</td>
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</tr>
<tr>
<td>MS 141</td>
<td>Contemporary College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MS 132</td>
<td>Probability and Statistics</td>
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Communications Elective | 6
Ethics Elective | 3
Fine Arts Elective | 3
Foreign Culture and Conversation Elective | 3
Global Elective | 3
History Elective | 3
Lab Science Elective | 3
Open Elective | 39

Professional Courses

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<thead>
<tr>
<th>Course</th>
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<tr>
<td>PY 111</td>
<td>General Psychology</td>
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<tr>
<td>PY 141</td>
<td>Human Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>PY 231</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 242</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>PY 442</td>
<td>Seminar in Psychology</td>
<td>3</td>
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<tr>
<td>PY 491</td>
<td>Field Placement</td>
<td>3</td>
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</table>

Psychology Elective | 24

Total Hours | 122

*** Credit may not be required for degree completion.

Suggested Course Sequence

First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
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<tr>
<td>EH 123</td>
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<td>Science with Lab Elective</td>
<td>3</td>
</tr>
<tr>
<td>HE 111</td>
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<td>1</td>
<td>MS 132</td>
<td>3</td>
</tr>
<tr>
<td>Ethics Elective</td>
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<td>3</td>
<td>PY 141</td>
<td>3</td>
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<tr>
<td>MS 141</td>
<td></td>
<td>4</td>
<td>Open Elective</td>
<td>3</td>
</tr>
<tr>
<td>PY 111</td>
<td></td>
<td>3</td>
<td>EH 124</td>
<td>3</td>
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<tr>
<td>Foreign Culture and Conversation Elective</td>
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17 | 15
Second Year

<table>
<thead>
<tr>
<th></th>
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<tr>
<td>EH 200</td>
<td>3</td>
<td>PY 231</td>
<td>3</td>
</tr>
<tr>
<td>PY 231</td>
<td>3</td>
<td>PY 242</td>
<td>3</td>
</tr>
<tr>
<td>HY Elective</td>
<td>3</td>
<td>Open Elective</td>
<td>3</td>
</tr>
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<td>Open Elective</td>
<td>3</td>
<td>Global Elective</td>
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Third Year

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<td>Fine Arts Elective</td>
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<td>Open Elective</td>
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<td>PY Elective</td>
<td>3</td>
</tr>
<tr>
<td>Open Elective</td>
<td>3</td>
<td>PY Elective</td>
<td>3</td>
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<tr>
<td>PY Elective</td>
<td>3</td>
<td>Open Elective</td>
<td>3</td>
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<td>Open Elective</td>
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<td>Open Elective</td>
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Fourth Year

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<tr>
<td>PY 442</td>
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<td>PY 242</td>
<td>3</td>
</tr>
<tr>
<td>Communications Elective</td>
<td>3</td>
<td>PY Elective</td>
<td>3</td>
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<tr>
<td>PY Elective</td>
<td>3</td>
<td>Open Elective</td>
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</table>

Total Hours: 122

Courses

**PY 111. General Psychology. 3 Hours.**
This is a scientifically based introduction to the discipline of psychology. It examines the study of basic patterns of behavior including motivation, learning, emotions, the physiological basis of behavior, human growth and development, personality theory and measurement, and abnormal and deviant behavior.

**PY 141. Human Growth and Development. 3 Hours.**
This course includes physiological processes of development including conception, prenatal growth, birth, maturation, and aging, provide a framework for examining the cognitive, affective and social development of the individual during his/her life-span. Prerequisite(s): PY 111.

**PY 231. Social Psychology. 3 Hours.**
This course exposes the student to classic research in the field of social influence and perception. Students are introduced to several concepts that provide understanding of the world in new ways. Prerequisite(s): PY 111.

**PY 232. Abnormal Psychology. 3 Hours.**
This is a comprehensive course focusing on the better understanding of the field as an area of active inquiry both in clinical practice and in research. A complete presentation of the most important theoretical models along with topics that reflect contemporary interests are examined. Developmental perspectives along with current views of abnormality and current treatment approaches are studied. Prerequisite(s): PY 111.

**PY 233. Psychology of Human Sexuality. 3 Hours.**
This course examines the historical, behavioral, and psychological dimensions of human sexuality. Topics typically include sexual maturation, gender identity, sexual orientation, development and maintenance of healthy sexual relationships, sexual attitudes, normal sexual behavior, abnormal sexual behavior, sexual dysfunction, sexual trauma, and cross-cultural sexual practices. Prerequisite(s): PY 111 and PY 141.

**PY 242. Research Methods. 3 Hours.**
In this course students will cover basic topics in research methodology in psychology. They will learn how to develop research questions, identify problems inherent in many research designs, and how to present their findings. They will also cover ethical issues related to research with human beings and animals. Prerequisite(s): PY 111 and MS 132.

**PY 299. Topic/. 1-3 Hour.**
This course is intended to provide the opportunity to offer courses in psychology that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty. Prerequisite(s): PY 111 or (PY 141 or PY 241).

**PY 322. Diversity & Multiculturalism. 3 Hours.**
This course critically explores an array of cultural forces as well as issues entailed by lifestyle diversity that may help play significant roles in shaping students’ understanding of and approaches to assisting individuals with emotional or psychological difficulties or who are experiencing problem in making adaptive adjustments to life’s many transitions. Prerequisite(s): PY 111 and (PY 141 or PY 241).

**PY 333. Psychology of Personality. 3 Hours.**
This is a critical review of methods and content in the study of personality. The development of the field, with attention to recent applications of scientific methods to problems of personality, is examined. A survey of major theories of personality is undertaken. Prerequisite(s): PY 111.

**PY 335. Intro to Rehabilitation. 3 Hours.**
The course will provide a basic foundational study of rehabilitation counseling with a conceptual overview of the professional, historical, theoretical and research foundations, as well as the counseling applications of the rehabilitation profession. Prerequisite(s): PY 241 and (PY 332 or PY 232).

**PY 336. Evolutionary Psychology. 3 Hours.**
Evolutionary psychology will examine the impact evolutionary theory on the field of psychology. This course links psychology, anthropology, and biology and examines why contemporary humans behave and think the way they do. It examines the proximate and ultimate causes of behavior with an emphasis on function. The course begins with an overview of heredity and evolutionary theory and then discusses research on evolutionary factors that influence human learning, thinking, motivation, and emotion. It also covers the evolutionary explanations for social behavior such as cooperation and competition, and mate-selection and parenting. Prerequisite(s): PY 111 and PY 141.
PY 338. Cognitive Psychology. 3 Hours.
This course provides students with an overview of the theories and research in cognition. The course covers diverse topics such as memory, attention, judgment, decision making, problem solving, language, intelligence, sensation, perception, and sensory integration. In addition, this course integrates concepts from many diverse areas of psychology including biopsychology, learning, development, educational psychology, and sociocultural psychology, as well as other scientific disciplines. Prerequisite(s): PY 111 and PY 141 and PY 242.

PY 340. Physiological Psychology. 3 Hours.
This course examines behavior as viewed by the biological perspective. It is an introduction to and survey of the physiological bases of behavior, including biochemical and neurophysiological determinants of sensation, motor control, sleep, eating and drinking, learning and memory, language and mental disorders. Prerequisite(s): PY 111.

PY 341. Gerontology. 3 Hours.
This course is designed to expose the students to the most relevant and current problems in the field of aging and present a variety of divergent views on the appropriate solutions to these problems. The topics covered include demographic trends, the aging process, longevity, social attitudes toward old age, problems and potentials of aging, retirement, death, living environments in later life and social policies, programs and services for older people. Also, mental and physical health, cognitive and personality development, relationships and sexuality are studied. The key theories on aging and the influence of scientific knowledge, changing world views and historical events on theoretical viewpoints are examined. Prerequisite(s): PY 241 or PY 141.

PY 344. Early Childhood. 3 Hours.
This course is designed to expose students to the interplay among biological, cognitive and social factors in children’s development and examine its multiple determination. Basic research, theoretical models and applications of knowledge in areas such as prenatal environment, heredity and environment, sensation, perception and learning, emotional development, language and communications, intelligence, family, peers, morality, altruism, aggression, gender roles and differences, and technology and television are examined. Prerequisite(s): PY 241 or PY 141.

PY 345. Therapeutic Psychology. 3 Hours.
This course covers an introduction to the principles and techniques to counseling and psychotherapy with attention given to professional identity factors, theoretical and research foundations, counseling applications, current issues in therapeutic practice, and the place and obligations of the psychotherapist in the profession. Prerequisite(s): PY 111 and (PY 332 or PY 232) and (PY 241 or PY 141) and PY 412.

PY 346. Adolescent Psychology. 3 Hours.
This course examines the contextual development of adolescents as they transition through biological, cognitive, and social changes. These contextual transitions include the family, peer groups, schools, and work and leisure. Also, the developmental issues of identity, autonomy, intimacy, sexuality, achievement and psychosocial problems are explored. Prerequisite(s): PY 241 or PY 141.

PY 410. History and Systems of Psychology. 3 Hours.
This course provides students with an overview of the historical trends, influential people, theoretical developments, and empirical findings that are either foundational for the discipline or have shaped the current directions in psychology. Prerequisite(s): PY 111 and PY 141 and PY 333.

PY 411. Psychological Tests and Measurements. 3 Hours.
This course is designed to provide an introduction to the principles of psychological testing. The topics it covers include the definition of psychological testing, the role of testing in evaluation of persons, the types of tests and purposes for which they are applied, principles of test construction including a review of relevant statistical concepts, item selection, standardization, reliability and validity. In addition, this course will consider and examine some major tests used in assessment of personality, intelligence, interests, and neuropsychology and the standards for ethical practice in psychological testing. Prerequisite(s): (MS 111 or MS 141 or MS 180 or MS 181) and MS 132 and (PY 332 or PY 232) and (PY 242 or PY 342).

PY 412. Social Service Field Placement. 3 Hours.
Social Services Practicum in Psychology is designed to provide students experiences in which others are assisted or served. Students select a developmental stage of interest or identified group with a specific need, then participate in an existing program or develop a project that can assist people of this stage or identified population in need. The course content is individualized so that students explore personal and professional interests while participating in a social service project. Student’s experiences are shared during classes so that class members benefit from other’s experiences. Prerequisite(s): PY 345 and (PY 241 or PY 141).

PY 431. Behavior Modification/Seminar in Learning. 3 Hours.
This is an advanced course examining how learning principles influence human behavior. The extension of these principles and concepts emerging from the experimental analysis of behavior to problems of behavior modification in academic, social, and industrial settings is studied. Prerequisite(s): PY 333 and (PY 332 or PY 232).

PY 442. Seminar in Psychology. 3 Hours.
This is a capstone course designed to review the academic work and empirical experiences of psychology majors in the field, but not excluding the incorporation of other academic and collegiate experiences from psychology’s point of view. Additionally, this course provides students the opportunity to explore topics they deem important. The course helps prepare students for program completion and a smooth transition from collegiate to professional life. It also provides a review of the students’ academic experiences and verifies that all of the collegiate co-curricular expectations have been met. Prerequisite(s): College Level=Senior and (Major=BS Psychology - Crim Justice or Major=BS Psychology - General or Major=BS Psychology/Clinical or Major=BS Psychology - MHRT/C Certification or Major=BS Psychology).

PY 447. Trauma and Recovery. 3 Hours.
The theory and methodology of sexual abuse, non-sexual trauma, and the effects of trauma is examined. Awareness of abuse, recognizing the sources of trauma and developing a recovery plan through the use of available resources for prevention and treatment in the State of Maine will also be covered. Prerequisite(s): (PY 141 or PY 241) and (PY 332 or PY 345) and (PY 450).

PY 450. Introduction to Counseling and Psychotherapy. 3 Hours.
This course covers an introduction to the principles and techniques to counseling and psychotherapy with attention given to professional identity factors, theoretical and research foundations, counseling applications, current issues in therapeutic practice, and the place and obligations of the psychotherapist in the profession. Prerequisite(s): (PY 141 or PY 241) and (PY 232 or PY 332).
Basic Guidelines

It is expected that all approved IPS programs leading to the degree of Bachelor of Science in Liberal Studies will incorporate the following features, including:
1. A broad base in traditional liberal arts;
   a. English/Communications –five (5) courses minimum
   b. Humanities – three (3) courses minimum
   c. Social Sciences – three (3) courses minimum
   d. Science/Mathematics – five (5) courses minimum
   e. Language/Culture – two (2) courses minimum
2. At least two (2) advanced courses (300 level or above) in at least two of the above general areas, resulting in a four (4) course requirement;
3. At least (6) courses taken outside the School of Science and Humanities; and
4. Electives as necessary to support the development of at least two (2) areas of concentration and to permit increased depth of study in areas supporting the concentration, resulting in a comprehensive program of study totaling not less than 120 credit hours. In addition to required courses and distribution requirements listed above, students would complete 36 hours in two areas of concentration (including at least 15 hours completed at Husson and with a 2.5 grade average or better among these courses).

The curriculum outlined below should be followed by the advisor and student to ensure that all degree requirements are met.

Liberal Studies Program

The Bachelor of Science in Liberal Studies degree program is an Individualized Program of Study (IPS) providing a broad background in the arts and sciences and specialization in two academic areas of particular interest to the student. This allows the student an opportunity to establish a broader base in general education than is ordinarily feasible, while combining in-depth study in different academic disciplines in ways not possible under the structure of traditional academic majors.

The IPS is designed by the student with help from a three-member Advisory Committee appointed by the Program Coordinator. The Advisory Committee must formally approve the IPS at least two academic semesters prior to the expected graduation date. As part of the approval process, the Advisory Committee ensures that the IPS meets all philosophical and structural requirements of the degree.

B.S. Liberal Studies (Individualized Program)

The Program

The fundamental program requirement is that each student must complete an approved curriculum of study having no fewer than 120 credit hours of college level work that demonstrates a broad base in the traditional liberal arts and a significant concentration of study in two or more distinct academic areas.

Although it should be possible for a student to enter Husson University with an approved IPS, it is recommended that an incoming student enroll in one of Husson’s traditional programs (or elect the Undeclared option) so that various opportunities and options available within the program guidelines can be explored with the help of a knowledgeable faculty advisor. It is expected that the approved program of study be filed with the Dean of Science and Humanities prior to beginning course work as a third year student (>60 Credit Hours). In the event that program approval is sought after beginning the third year’s work, an academic program totaling more than 120 credit hours may be required in order to satisfy all requirements.

**Basic Guidelines**
### Science and Humanities Minors

#### Behavioral Science Minor

Students may complete the Behavioral Science Minor at Husson University by declaring their wish to pursue this option and successfully completing 18 credit hours (6 courses) of approved course work. PY 111 and SY 201 are required. Of the remaining twelve credit hours (4 courses), six hours (2 courses) must be elected in psychology and six hours (2 courses) must be elected in sociology. Interested students should discuss this option with their advisors and obtain the approval of the Behavioral Science Coordinator by the end of their sophomore year. Additional information may be obtained from the Dean of the School of Science and Humanities.

#### Requirements of the Behavioral Science Minor

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PY 111</td>
<td>General Psychology (required)</td>
<td>3</td>
</tr>
<tr>
<td>SY 201</td>
<td>Principles of Sociology (required)</td>
<td>3</td>
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<tr>
<td>Select two from the following:</td>
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<tr>
<td>PY 141</td>
<td>Human Growth and Development</td>
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<tr>
<td>PY 232</td>
<td>Abnormal Psychology</td>
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<tr>
<td>PY 333</td>
<td>Psychology of Personality</td>
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<tr>
<td>PY 431</td>
<td>Behavior Modification/Seminar in Learning</td>
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<td>PY 499</td>
<td>Topic/</td>
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<tr>
<td>SY 211</td>
<td>Contemporary Social Issues</td>
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<tr>
<td>SY 312</td>
<td>Sociology of Work</td>
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<tr>
<td>SY 499</td>
<td>Topic/</td>
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Total Hours 18

#### Biology Minor

The Biology Minor at Husson University is offered for students who are pursuing undergraduate professional programs of study but who have an abiding interest in biology. Nursing, Physical Therapy, Occupational Therapy and Physical Education all have strong foundations in human biology. The Biology Minor allows students to contextualize this knowledge with information of the life processes that occur in all organisms. This minor would also benefit majors in business who might have an interest in the sale of pharmaceuticals or biotechnology and provides an excellent means of extra science preparation for Elementary Education majors. The minor requires at least 18 credits in biologically related science which covers animal biology, environmental biology and biological phenomena over long periods of time.

In order to complete the minor in biology, students must take the two-semester series in general biology for science majors: SC 191/SL 191 and SC 192/SL 192 and 4 additional science courses (with labs when available).

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SC 191 &amp; SL 191</td>
<td>General Biology I and General Biology Lab I</td>
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<td>SC 192 &amp; SL 192</td>
<td>General Biology II and General Biology Lab II</td>
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<td>Select one of the following environmental biology courses:</td>
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<td>SC 141</td>
<td>Environmental Science</td>
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<td>SC 202</td>
<td>Science Immersion</td>
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<td>SC 210 &amp; SL 210</td>
<td>Marine Biology and Marine Biology Laboratory</td>
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<td>SC 240</td>
<td>Ecology &amp; SL 240</td>
<td>and Ecology Lab</td>
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<tr>
<td>SC 332</td>
<td>Physiological Ecology of Animals and Plants</td>
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<tr>
<td>Select one of the following organismal or cellular biology courses:</td>
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<tr>
<td>NU 208</td>
<td>Health Assessment</td>
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<tr>
<td>PT 450</td>
<td>Neurophysiology</td>
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<tr>
<td>PT 425 or SC 330</td>
<td>Exercise Physiology</td>
<td>Exercise Physiology</td>
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<tr>
<td>PT 560</td>
<td>Cardiorespiratory</td>
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<tr>
<td>SC 101</td>
<td>Introduction to Nutrition</td>
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<tr>
<td>SC 120 &amp; SL 120</td>
<td>Functional Anatomy and Physiology and Functional Anatomy and Physiology Lab</td>
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<td>SC 131</td>
<td>Human Genetics</td>
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<td>SC 221 &amp; SL 221</td>
<td>Anatomy and Physiology I and Anat/Physiology Lab I</td>
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<td>SC 222 &amp; SL 222</td>
<td>Anatomy and Physiology II and Anatomy/Physiology Lab II</td>
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<td>SC 234</td>
<td>Nutrition</td>
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<td>SC 241</td>
<td>Microbiology</td>
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<td>SC 291</td>
<td>Cell Biology</td>
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<tr>
<td>SC 292</td>
<td>Epidemiology</td>
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<tr>
<td>SC 333</td>
<td>Pathophysiology</td>
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<tr>
<td>SC 334</td>
<td>Genomic Biology</td>
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<tr>
<td>SC 352</td>
<td>Biochemistry</td>
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<tr>
<td>SC 360</td>
<td>Biomechanics &amp; Kinesiology in Human Performance</td>
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<td>Select one of the following physical science courses:</td>
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<tr>
<td>SC 135</td>
<td>Introduction to Meteorology</td>
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<tr>
<td>SC 150</td>
<td>Astronomy of the Solar System</td>
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<tr>
<td>SC 151</td>
<td>Conceptual Physics</td>
<td></td>
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<tr>
<td>SC 180 &amp; SL 180</td>
<td>Principles of Gen Chemistry and Prin of Gen Chemistry Lab I</td>
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<tr>
<td>SC 181 &amp; SL 181</td>
<td>Chemistry I and Chemistry Lab I</td>
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<tr>
<td>SC 182 &amp; SL 182</td>
<td>Chemistry II and Chemistry Lab II</td>
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<tr>
<td>SC 271 &amp; SL 271</td>
<td>Physics I and Physics Lab I</td>
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<tr>
<td>SC 272 &amp; SL 272</td>
<td>Physics II and Physics Lab II</td>
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<tr>
<td>One additional course from any of the categories listed above</td>
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Total Hours 20

*** Credit may not be required for degree completion.
English Minor

The minor in English shall consist of 18 credit hours (6 courses) of approved English course work beyond EH 123 Rhetoric and Composition I and EH 124 Rhetoric and Composition II. It is expected that students who excel in reading and writing skills may wish to pursue the English minor to show their communications potential to future employers. Others may wish to pursue the minor for pleasure and/or to improve their reading and writing skills as well as developing abilities in critical and creative thinking. Interested students should contact the Dean of the School of Science and Humanities by their sophomore year to plan their English course schedules, interests, and needs.

General requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EH 200</td>
<td>Approaches to Literature</td>
<td>3</td>
</tr>
<tr>
<td>EH 411</td>
<td>Seminar in Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two of the following upper-level literature courses:

- EH 233 Introduction to the Novel
- EH 234 American Literature I
- EH 235 American Literature II
- EH 241 British Literature I
- EH 251 World Literature I
- EH 252 World Literature II
- EH 299 Topic/

Select two of the following upper-level writing courses

- CM 221 Professional Communications
- CM 323 Advanced Professional Communications
- EH 232 Intro to Drama/Play Production
- EH 275 Creative Writing Workshop
- EH 311 Topics in Professional Communication
- EH 352 Advanced Writing Internship

Total Hours 18

Note: CM 100 Speech does not satisfy English Minor requirements.

History Minor

Students may complete the requirements for the History Minor by declaring their interest in pursuing this option and successfully completing 18 credit hours (6 courses) of approved course work. Economic Geography (BA 111) is required.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 111</td>
<td>Economic Geography</td>
<td>3</td>
</tr>
</tbody>
</table>

Select five of the following:

- HY 101 History of Western Civilization
- HY 111 United States History I
- HY 112 United States History II
- HY 211 American National Government
- HY 221 United States Social History
- HY 301 The 20th Century
- HY 321 United States Military History I
- HY 341 International Relations
- HY 421 Development of American Business in the 20th Century
- HY 499 Topic/

Total Hours 18

Mathematics Minor

Students may complete the Mathematics minor by declaring their desire to pursue this option and by successfully completing 20 credit hours (6 courses) of approved course work to include MS 181 Calculus with Applications, MS 182 Calculus II and a minimum of 4 additional courses approved for the minor. A minimum of 3 courses must be completed at Husson University. Interested students should contact the Dean of the School of Science and Humanities for additional information.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS 181</td>
<td>Calculus with Applications</td>
<td>4</td>
</tr>
<tr>
<td>MS 182</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>Select 4 of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MS 150</td>
<td>History of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MS 221</td>
<td>Number Theory</td>
<td></td>
</tr>
<tr>
<td>MS 230</td>
<td>Multivariable Calculus</td>
<td></td>
</tr>
<tr>
<td>MS 241</td>
<td>Linear Algebra with Applications</td>
<td></td>
</tr>
<tr>
<td>MS 258</td>
<td>Introduction to Differential Equations with Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>MS 450</td>
<td>Modeling and Simulation</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 20

Natural Science Minor

The Natural Science Minor at Husson University is offered for students who are pursuing undergraduate professional programs of study but who also value the knowledge of science. For the student who is intellectually curious about how the world around them works, the Natural Science Minor provides her/him with an opportunity to explore biology, chemistry and physics without being intimidated. This minor is ideal for all students who choose to be educators.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC 151</td>
<td>Conceptual Physics *</td>
<td>3</td>
</tr>
<tr>
<td>SC 120</td>
<td>Functional Anatomy and Physiology *</td>
<td>3</td>
</tr>
<tr>
<td>or SC 221</td>
<td>Anatomy and Physiology I</td>
<td></td>
</tr>
<tr>
<td>SC 180</td>
<td>Principles of Gen Chemistry *</td>
<td>3</td>
</tr>
<tr>
<td>or SC 181</td>
<td>Chemistry I</td>
<td></td>
</tr>
</tbody>
</table>

Select three from the following sciences:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC 101</td>
<td>Introduction to Nutrition</td>
<td></td>
</tr>
<tr>
<td>SC 104</td>
<td>Organismal Biology</td>
<td></td>
</tr>
<tr>
<td>SC 141</td>
<td>Environmental Science</td>
<td></td>
</tr>
<tr>
<td>SC 333</td>
<td>Pathophysiology</td>
<td></td>
</tr>
<tr>
<td>SC 234</td>
<td>Nutrition</td>
<td></td>
</tr>
<tr>
<td>SC 240</td>
<td>Ecology</td>
<td></td>
</tr>
<tr>
<td>SC 241</td>
<td>Microbiology</td>
<td></td>
</tr>
<tr>
<td>SC 251</td>
<td>Astronomy</td>
<td></td>
</tr>
<tr>
<td>SC 271</td>
<td>Physics I</td>
<td></td>
</tr>
<tr>
<td>SC 272</td>
<td>Physics II</td>
<td></td>
</tr>
<tr>
<td>SC 291</td>
<td>Cell Biology</td>
<td></td>
</tr>
<tr>
<td>SC 330</td>
<td>Exercise Physiology</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 18

* To successfully complete a natural science minor, the student must pass the following classes with a “C” or better.
A student may transfer a maximum of six credits to be applied towards the Natural Science Minor.

**Psychology Minor**

Students may earn a Psychology Minor by filing a Request for Minor form with the Registrar and successfully completing a minimum of 21 credit hours in the field of Psychology. Psychology students are required to take the 3 courses listed below and at least 4 psychology electives (three of which must be at or above the three hundred level). Students may not transfer in more than 9 credit hours toward their Psychology minor. Courses from disciplines other than psychology will not fulfill the requirements for the minor. The 2 practicum courses, PY 412 Social Service Field Placement and PY 491 Field Placement, as well as PY 442 Seminar in Psychology are excluded the Psychology minor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PY 111</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PY 141</td>
<td>Human Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>PY 242</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>Psychology Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Psychology Elective 300+</td>
<td></td>
<td>9</td>
</tr>
</tbody>
</table>

Total Hours 21
THE DIVISION OF ONLINE AND EXTENDED LEARNING

Program Sites

Online Programs

One College Circle
Bangor, Me 04401
1-855-902-9965

Bangor Campus Extended Learning
One College Circle
Bangor, ME 04401
207-941-7000

Northern Maine Site
33 Edgemont Drive
Presque Isle ME 04796
207-760-1176

Southern Maine Site
340 County Road
Westbrook, ME 04092-1901
207-775-6212

York County Community College Site
112 College Drive
Wells, ME 04090
207-775-6212

The Husson University Division of Online & Extended Learning serves adult learners who wish to attend classes online, evenings, or weekends. Courses start every few weeks and all sites offer a variety of two- and four-year majors from the Schools of Business, Education, and Science and Humanities. The Division recognizes that the adult learner brings real life experience, skills and knowledge to the classroom. Course instructors are dedicated to teaching, and most are active professionals in the fields in which they teach. Programs are designed to incorporate professional experiences into the academic environment. Students of Online & Extended Learning programs are subject to the same policies and requirements as previously enumerated.

Admission

All applicants should arrange to meet with the Center Coordinator where most courses will be taken. Admissions requirements vary by program.

Tuition

Please refer to the financial section for more specific information. Tuition is payable in full on or before the first day of class. Payment plans are available.

Extended Learning students who seek to take one or more day division courses will be charged day division tuition rates for those courses.

Financial Aid

Online & Extended Learning students who carry at least six credit hours and are enrolled in a degree program are eligible to apply for need-based financial aid and should contact the University’s Financial Aid Office for further information. It is important to complete financial aid paperwork early, before registration, as it affects billing procedures.

Withdrawals and Course Add/Drop

Students may add or drop courses before the start of the term, or during the standard add/drop period which varies by program and term length. Guidelines for add/drop are provided to the students at the time of registration.

After the standard add/drop period, tuition and fees will not be adjusted for individual course withdrawals. A student who withdraws from the program must file an official form. Refund credits are computed from the date that the Center receives the form. Prorated refunds are explained more fully in the catalog section entitled Financial Information. Nonattendance of classes does not constitute withdrawal.

For program withdrawals during the term, refund credits will be prorated on the balance of tuition, fees, and other charges.

Academic Policies and Procedures

All Online & Extended Learning degree courses are consistent with those offered in the Day School programs of study. The usual term academic load is not less than three (3) credit hours or more than twelve (12) credit hours. Each degree candidate must complete a minimum of thirty (30) credit hours online or at a Husson Campus; at least fifteen (15) credits must be completed within the student’s major. Degree candidates must complete their final thirty (30) credit hours through Husson. If necessary, in order to graduate, a senior may take fifteen (15) credit hours the last term. Otherwise, students wishing to take more than twelve (12) credit hours per term must have the approval from the Dean responsible for Extended Learning programs.
AC (AC)

Courses

AC 120. Introduction to Accounting. 3 Hours.
This course is for nonaccounting majors and introduces the student to accounting principles and concepts. Emphasis will be placed on completion of the accounting cycle, cash control, and payroll accounting.

AC 121. Principles of Accounting I. 3 Hours.
This introductory course covers fundamental principles and procedures of accounting. It is designed to meet the needs of business students as well as the accounting major. Emphasis is on developing the technical procedures of the accounting cycle including journalizing, posting, recording adjusting entries, understanding merchandising accounting, and preparing financial statements. Students are also introduced to cash control and financial statement analysis.

AC 122. Principles of Accounting II. 3 Hours.
A continuation of the study of basic accounting principles and procedures, the course includes receivables and payables, fixed assets, intangibles, natural resources, inventory methods, payroll accounting, and special journals and subsidiary ledgers. Students are also introduced to the partnership and corporate form of organization. Projects are incorporated into the assignments. Prerequisite(s): AC 121.

AC 201. Intermediate Accounting I. 3 Hours.
The first accounting course at the professional level for the accounting major, this course begins with a comprehensive review of basic accounting principles and financial statement preparation. The course provides an intensive study of the concepts of future and present value, current assets and current liabilities, the various methods of inventory accounting and costing, plant assets and intangible assets. Prerequisite(s): AC 122.

AC 202. Intermediate Accounting II. 3 Hours.
This course continues the in-depth study of accounting topics in financial accounting, including accounting for income taxes, long-term investments, and long-term liabilities. An intensive study is made of the statement of cash flows and accounting for all phases of corporations including formation, retained earnings, dividends, convertible securities, and earnings per share. Prerequisite(s): AC 201.

AC 211. Managerial Accounting. 3 Hours.
Managerial accounting involves the use of accounting information to make business decisions. Topics covered include cost concepts, cost-volume-profit relationships, capital budgeting, master budgets, cost variances and present value analysis, as well as financial statement analysis. Prerequisite(s): AC 201.

AC 251. Accounting Internship. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 252. Accounting Internship II. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.
AC 253. Accounting Internship III. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 254. Accounting Internship IV. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 255. Accounting Internship V. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 256. Accounting Internship VI. 3 Hours.
In this experiential course, the student serves as an intern in an accounting related position at a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

AC 301. Advanced Accounting I. 3 Hours.
Advanced Accounting I deals with advanced and specialized topics in financial accounting. An in-depth study is made of accounting for pensions and leases and of accounting for partnerships, including formation and operation, dissolution, and liquidation. The course also provides an introduction to such specialized topics as foreign operations, governmental and fund accounting, accounting changes, and error correction. Prerequisite(s): AC 202.

AC 302. Advanced Accounting II. 3 Hours.
Advanced Accounting II concentrates on an in-depth study of business combinations and the equity method of accounting for a subsidiary on the parent’s unconsolidated statements. Accounting for business combinations by the purchase method is covered and the preparation of consolidated statements is emphasized with a thorough treatment of eliminations of intercompany transactions. Currently developing advanced topics are also covered as time permits. Prerequisite(s): AC 202.

AC 331. Cost Accounting. 3 Hours.
Topics covered include basic cost control concepts, manufacturing statements, accounting for material inventory, factory overhead costs, job order costing, process costing, activity based costing, and process costing. Students are also introduced to cost estimation methods and cost-volume-profit analysis. With assigned projects, budgeting and variances are studied, along with decision-making models. Prerequisite(s): AC 122.

AC 352. Forensic and Investigative Accounting. 3 Hours.
This course covers important topics associated with modern forensic and investigative accounting. Topics include fraud auditing, litigation support, valuation, cybercrime, and other key forensic topics. The objectives include understanding the principles and practices used by public accountants, internal auditors, and others used to examine financial and related information. Prerequisite(s): AC 202.

AC 371. Accounting Information Systems. 3 Hours.
This course explores information systems that provide accounting and other information to make effective and efficient decisions. Emphasis is given to the interaction between the systems analyst, the financial accountant, the internal auditor, the external auditor, and other decision-makers. Overall data flow in systems is studied with an emphasis on flow and logic concepts and designing appropriate internal controls for these systems. Prerequisite(s): AC 122 and M1 111.

AC 441. Federal Taxation I. 3 Hours.
The student is introduced to the basic theory of taxation, particularly as it deals with the individual. Among the topics examined are the computation of gross income, gains and losses, sales and exchanges of property, and various business and personal deductions. Prerequisite(s): AC 122.

AC 442. Federal Taxation II. 3 Hours.
The taxation of corporations, partnerships, and estates and trusts is examined in-depth, along with other selected topics related to taxation of the business entity. Also covered are estate and gift transfer taxes with time devoted to family tax planning, international taxation, and the taxation of exempt organizations. Prerequisite(s): AC 122.

AC 461. Auditing Concepts and Methods. 3 Hours.
The responsibilities of the auditor are examined in-depth in respect to the client, the firm and the public. The course includes a study of ethics, auditing standards and development techniques of the audit program, and the auditor’s report. An extensive case study is also required. Prerequisite(s): AC 202.

AC 471. Accounting for Nonprofit Organizations. 3 Hours.
This course consists of the study of fund accounting and the financial statements of state and local governments, hospitals, universities and other nonprofit entities. General financial principles and fund accounting principles are compared. Specific topics covered include budgets for operations, capital improvements, general funds, revenue funds, debt service funds, trust and agency funds, and proprietary funds. Prerequisite(s): AC 202.

AC 483. Financial Acctg & Reporting Adv Problems. 3 Hours.
This course covers current official pronouncements and procedures accepted by the AICPA and the FASB. Comprehensive in depth and inter-area problems are explored and solved; topics include accounting theory, pensions, leases, inventories, current assets and current liabilities, fixed assets, deferred taxes, stockholders’ equity, foreign currency transactions and translations, investments, and partnerships. Prerequisite(s): AC 301 and AC 302 and AC 331 and AC 441 and AC 442 and College Level=Senior.
AC 484. Acctg & Reprtg & Consolidation Adv Problems. 3 Hours.
This course covers current official pronouncements and current procedures accepted by the AICPA, the IRS, the FASB, the GASB and the Cost Accounting Standards Board. Comprehensive in depth and inter-area problems are explored and solved. Topics include: consolidations, cost accounting, accounting for governmental and nonprofit organizations, and individual and corporate taxes. Prerequisite(s): AC 301 and AC 302 and AC 331 and AC 441 and AC 442 and College Level=Senior.

AC 499. Accounting Seminar. 3 Hours.
The instructor and the student develop the subject matter of this course. The material covered consists of current issues and developments and must be relevant to the accounting field.

BA (BA)
Courses

BA 101. Introduction to Business. 3 Hours.
This course introduces students to the general nature of functional areas in business such as marketing, management, accounting, finance, research and development, and risk management. The relationship between business, the government, the economy, and the environment is examined.

BA 111. Economic Geography. 3 Hours.
This course is an introduction to the principles of economic geography, ranging from physical and biological geography to cultural and political factors. The decision making processes, both local and global, for different types of service oriented, manufacturing, transportation, and resource based businesses will be examined. The relationship of natural resources, population, and culture, and how such factors affect economic activity will be emphasized.

BA 201. Business Law I. 3 Hours.
This course provides students with a basic knowledge of the law of contracts, personal property and real property.

BA 202. Business Law II. 3 Hours.
This course is intended to augment BA 201 with in depth analysis of the law in Contracts, UCC, Corporations, Principal Agency Law, Advanced Tort Law, Environmental Law, Real Property Law, Securities Law and Employment Law.

BA 204. Franchise Formation and Management. 3 Hours.
This class will discuss franchise formation and management with particular emphasis on the discovery and evaluation of the franchisor and the feasibility of entrepreneurs converting an existing business into a franchise chain or creating and selling new franchises, domestic and international. Franchise accounting and finance (borrowing or leveraging) will be covered, as well as, taking the franchise to the stock market or going public (IPO) and raising investment capital. Prerequisite(s): BA 401.

BA 205. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

BA 210. Economics Overview for Non-Business Majors. 3 Hours.
This is an overview of microeconomic and macroeconomic concepts for non-business majors. It will include an introduction to American capitalism including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of competitive firms. It will also be an introduction to national income accounts, unemployment, inflation, government fiscal policy and monetary policy.

BA 211. Microeconomics. 3 Hours.
This is an introduction to American capitalism and microeconomic concepts including the mechanics of supply and demand, elasticity, consumer demand, and price and output determination of purely and impurely competitive firms.

BA 212. Macroeconomics. 3 Hours.
This is an introduction to macroeconomics in the American economy: national income accounts, unemployment, inflation, government fiscal policy, monetary policy and economic growth.

BA 220. Real Estate Principles and Practices. 3 Hours.
This course will provide students with methods of analyzing acquisition and retention of Real Estate. Also, there will be a focus on the skills and techniques required to operate a real estate business, including trust accounts, risk management, and property management.

BA 243. The Business of Innovation. 3 Hours.
This is a cross-disciplinary class that will introduce students to the Lean Startup Scientific Method for developing and commercializing ideas for new ventures or else innovating and developing new products or business models within existing companies. Topics include marketplace innovations, technology and science based innovations, marketplace hypothesis development and testing, frugal and agile engineering, business models, intellectual property, prototyping, exit strategies, and fundraising. Lab component is integrated within module deliverables.

BA 271. Risk Management. 3 Hours.
A study is made of the risks encountered by individuals and business firms. A presentation is made of the basic principles and institutions, which have been developed in risk management. This material is treated primarily from the consumer point of view.

BA 299. Topic/. 1 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 300. Business Presentations. 3 Hours.
Communication is a vital function of any business. Managers at all levels must be able to communicate effectively to advance their career and ensure the success of their organization. This course will give students a working knowledge of how to create, brief, and present information across the organizational communications spectrum. Students will learn how to think critically and apply problem solving skills across a variety of historical and contemporary business topics. Students will learn how to collect, analyze, synthesize, and present information in a professional manner to assorted audiences in different venues. The foundational skill set developed in this course is the ability for students to articulate their ideas in a professional manner within a variety of business settings. Prerequisite(s): EH 124.
BA 302. Business Ethics. 3 Hours.
This course is designed to raise a moral consciousness and sensitivity within the various disciplines of the business curriculum. The disciplines focused on here are business, accounting, marketing, multinational corporations, and those areas of human resource management inclusive of diversity in the workplace within the context of environmental and social responsibility.

BA 306. Franchise Law. 3 Hours.
This is a law class that analyzes all the issues of Franchise Law with a particular emphasis on Contracts, Principal/Agent Franchise Relations, Corporate Formation of Franchises, and Securities Law. Prerequisite(s): BA 201 and BA 202.

BA 310. Organization and Management. 3 Hours.
This course focuses on how to design organization systems and effectively manage them. Students completing the course should understand the universal process of management and key terminology in the language of management. Students are encouraged conceptually to blend contributions from the various schools of management thought into an integrated perspective of what managers do and why.

BA 311. Human Resource Management. 3 Hours.
This course addresses traditional personnel administration issues. Emphasis in the course is on how to manage the major human resource administration functions of job design, reward system design, staffing, training and performance control, to achieve maximum employee performance and satisfaction. Prerequisite(s): BA 310 or (Major=BS Criminal Justice or Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Paralegal or Major=BS English · Prelaw).

BA 312. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics include leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 321. Marketing Principles. 3 Hours.
The course covers the language and issues of marketing with an emphasis on developing responsive marketing strategies that meet customer needs. The course focuses on marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. Other topics will be incorporated into the course including the external environment (focus on integrative topics within marketing, such as economics, politics, government, and nature), marketing research, international/global marketing with relevance to cultural diversity, ethics, the impact of technology on marketing, and careers in marketing.

BA 334. International Economics. 3 Hours.
This applied economics course will emphasize the use of cases to study topics such as comparative advantage, treaties, tariffs, non-tariff trade barriers, and trade blocks among developed and developing nations. Prerequisite(s): BA 211 and BA 212.

BA 344. Personal Financial Planning. 3 Hours.
This course provides comprehensive coverage of personal financial planning in the areas of money management, axes, consumer credit, housing and other consumer decisions, legal protection, insurance, retirement planning, and estate planning. Prerequisite(s): MS 141 or MS 111 or MS 242 or MS 180 or MS 181.

BA 351. Internship. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 352. Internship II. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 353. Internship III. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 354. Internship IV. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 355. Internship V. 3 Hours.
In this experiential course, the student serves as an intern with a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong business element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 351 and BA 352 and BA 353 and BA 354.

BA 362. Financial Management I. 3 Hours.
The foundation finance course covers basic personal and corporate financial management issues. Topics include personal financial planning, financial statements, financial ratio analysis, capital budgeting, financial forecasting, and cash inventory and receivables management. Students are expected to become proficient in financial analysis of a corporation and in various aspects of corporate financial management. Prerequisite(s): AC 121 and (AC 122 or AC 211) and BA 211 and (MS 141 or MS 111 or MS 242 or MS 180 or MS 181).

BA 364. Financial Management II. 3 Hours.
The course is a continuation of Financial Management I and will cover such topics as real options, sensitivity, scenario and break-even analysis, basic issues regarding stocks and bonds, risk/return and cost of capital, capital structure and limits to the use of debt. Prerequisite(s): BA 362.
BA 375. Supply Chain Management. 3 Hours.
This course provides the basic concepts of logistics and supply chain management. The student will study logistical problems and appropriate strategies to solve these problems in the major areas of transportation, inventory, location, logistics control and global logistics planning. This course will represent the basic marketing areas: distribution, product, price and promotion.

BA 401. Managerial Economics. 3 Hours.
This course is designed to close the gap between economic theory and business application. It reviews traditional analysis and shows its application to the understanding and solution of economic problems of the firm and industry. Prerequisite(s): BA 211 and BA 212.

BA 411. Organizational Behavior. 3 Hours.
This course is highly experiential in its approach to helping students understand and appreciate why people behave the way they do in an organizational context. Students learn how to manage employee behavior by analysis of real world phenomena and by application of principles in the areas of human perception and communication, leadership and motivation, small group dynamics, organizational culture, and organizational change. Prerequisite(s): BA 310.

BA 413. Operations Management. 3 Hours.
Quantitative model building and manipulation are a means of analyzing and synthesizing the elements of products management. Both deterministic and stochastic modeling are emphasized in the areas of work systems design, queuing, PERT, SQC, inventory control, forecasting, and linear and nonlinear programming. Prerequisite(s): BA 310 and MS 132.

BA 414. Business Strategy. 3 Hours.
This Business Administration senior seminar focuses on decision making at the executive management level, the formulation of strategy, and its implementation in the organization. The course will employ case studies, laboratory simulation techniques, and computer spreadsheet analysis. Prerequisite(s): College Level=Senior.

BA 421. Integrated Marketing Communication and Advertising. 3 Hours.
An introduction into the world of advertising: Students will plan and design Ad campaigns, write copy and design layouts for the different types/forms of advertising. The students will work with local companies and assist them in redesign of their ad campaigns. Prerequisite(s): BA 321.

BA 422. Sales and Sales Management. 3 Hours.
This course provides students with the fundamentals of good salesmanship and sales management. Prior to studying management principles students practice sales techniques in simulations. Cases are used to illustrate and evaluate principles of sales management. Prerequisite(s): BA 321.

BA 423. Retail Management. 3 Hours.
The purpose of this course is to provide students with an understanding of the fundamentals of successful retail operations. Topics included are the market concept in retailing, factors of area and market analysis, and aspects of organizational structure, layout, and personnel planning. Also covered are methods of pricing, merchandising planning, inventory, expense control and sales promotion techniques. Prerequisite(s): BA 321.

BA 424. Marketing Research. 3 Hours.
The basic research concepts and practices as applied to the analysis of marketing problems are examined. Topics include sources of data, collecting data, sampling, questionnaire construction, tabulating data, and report preparation; computerized statistical software is used. Prerequisite(s): BA 321 and MS 132.

BA 425. Marketing Management. 3 Hours.
This is the capstone course for marketing majors. Students apply concepts learned in other courses to marketing problems of business and nonprofit organizations. Cases and business simulations are used to teach decision-making in the complex environment of business. A complete marketing plan for a simulated company of the student’s choice summarizes the student’s knowledge of the field. Prerequisite(s): BA 321.

BA 426. Real Estate Market, Research and Analysis. 3 Hours.
This course will discuss market research, real estate sales, property valuations and analysis. Students will examine market research reports to gain insight into product and market trends, opportunities, projections, and growth in the Maine, the US and global real estate markets. Prerequisite(s): BA 401 and MS 132 and (BA 205 or PL 201).

BA 427. Franchise Market Research and Analysis. 3 Hours.
This class will focus on analysis of market demographics, feasibility studies, product pricing, promotion and distribution, franchise broker contacts, extrapolation of sales and expenses, and the projection of costs and net profits, emerging markets and capital expansion. Prerequisite(s): BA 401 and MS 132 and MS 232 and BA 362.

BA 428. Strategic Selling. 3 Hours.
This course builds on the fundamentals of selling. The student will understand how to advance sales in light of complex business environments consisting of layers of buyers, decision makers and those who influence purchasing decisions. A strategic account planning process will be analyzed and applied to real companies by way of case studies. The art and skill of negotiating will be studied and learned through role play. Prerequisite(s): BA 422.

BA 434. International Finance. 3 Hours.
The factors affecting exchange rates are discussed, as well as different types of exchange rate systems and how governments attempt to influence exchange rates. The relationships among interest rate parity, purchasing power parity, the Fisher effect and International Fisher effect and exchange rates are analyzed. Students learn how currency futures, currency options and money market hedges are used to hedge exchange rate risk. Prerequisite(s): BA 362.

BA 437. International Marketing. 3 Hours.
The basics of international marketing will be taught including the foundations of culture, cultural understanding, business customs and practices in global marketing, assessing global markets, and developing international marketing strategy. Prerequisite(s): BA 321.

BA 438. Export-Import Procedures. 3 Hours.
The basics of export-import procedures will be taught including justification for exporting/importing, market planning methods, selection of appropriate marketing mix variables, and regulation. Prerequisite(s): BA 321.

BA 439. International Franchising Management. 3 Hours.
This course will focus on international expansion of franchises, learning the culture, monetary exchanges, imports and exports, local international market analysis and much more. Prerequisite(s): BA 204 and BA 306 and BA 427.
BA 440. Small Business Management I. 3 Hours.
This course supplies prospective and current small business managers with the essential concepts of starting and operating small businesses. Topics covered include: environment and management of small business enterprise, problems in starting small businesses, financial and administrative control, and management of business operations. Particular emphasis is placed on the interrelated nature of the components, particularly as they affect the financial picture of the firm. Through a lecture and discussion format, students are expected to share their own experiences in small businesses with their fellow students. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 441. Entrepreneurship I- New Venture Development. 3 Hours.
Students will be introduced to the practical application of classic and contemporary business theory as it applies to the early stages of entrepreneurship and intrapreneurship, opportunity recognition, innovation, and new venture development. Course topics include types of entrepreneurs, opportunity recognition, marketing, cash and other resource requirements, financial statements, planning, franchising, intellectual property, success/failure/resilience, and growth. Class will use text, cases, articles, internet sources, and guest lecturers. Prerequisite(s): College Level=Senior or College Level=Junior.

BA 442. Applied Small Business Management. 3 Hours.
This is an advanced course which focuses on real problems in Small Business Management, using the case approach. Cases are drawn from the text, from actual local small businesses, and from the practical experience of students in the class. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 443. Entrepreneurship II: Business Plans. 3 Hours.
This class builds on BA 441, New Venture Development. The focus of this class is on the early stages of formalizing and growing a venture. Topics include business plan writing, fund raising and cash flow, measuring and conveying financial position, core strategy development and competitive advantage, sustainability, international entrepreneurship, supply chain, growth, and exit. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 460. Investments. 3 Hours.
Beginning with an introduction to financial markets and investment instruments, topics include stock and bond quotations and trading procedures, rate of return, margin trading, stock indexes, stock and bond valuation, risk and return, portfolio theory, active and passive portfolio management, and investment performance evaluation. Prerequisite(s): College Level=Junior or College Level=Senior.

BA 464. Bank & Financial Services Management. 3 Hours.
This course will introduce students to the specific issues in the financial management of a banking firm and, to a smaller degree, of other financial intermediaries. Emphasis will be on products, roles, regulatory framework, and risk management. Prerequisite(s): BA 362.

BA 465. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 471. Life and Health Insurance. 3 Hours.
This course is intended to provide background knowledge for personal application and for those responsible for administering benefit plans for employees; it provides the necessary information required to pass the State of Maine license examination. Prerequisite(s): BA 271.

BA 472. Casualty and Property Insurance. 3 Hours.
The first part of the course introduces the basics of the entire insurance business, including a summary of legal aspects, types of insurers and principles of reinsurance; next, each type of insurance is studied in detail. Topics covered are fire, consequential loss, inland marine, ocean marine, theft and surety, liability and miscellaneous property insurance. Prerequisite(s): BA 271.

BA 473. Real Estate Appraisal. 3 Hours.
This course familiarizes the student with the foundation and principles of the appraisal process. The student will become familiar with the three approaches to value. Site valuation, construction costs, depreciation; comparables selection and adjustments; rental multipliers; and reconciliation will be discussed. The student will focus on the elements making up the standards for professional appraisal practice. These elements, i.e., Definitions, Rules, Standards and Standard Rules, Statements and advisory opinions are discussed in detail along with the philosophy and history of USPAP. Prerequisite(s): BA 401 and MS 132 and BA 362.

BA 475. E-Business and E-Commerce for Managers. 3 Hours.
This course teaches the basic e-business and e-commerce theory. The students will apply the theory through the development of a website for the prime purpose of marketing a product or service or idea online.

BA 490. International Business. 3 Hours.
This course covers the international dimensions of managerial decision-making including: world economies, international trade theories, tariffs, quotas and other trade issues, global strategic planning, cross-cultural management, international market entry, international human resource management, international organization strategy, international logistics, import/export operations, currency exchange, international financial management. Current developments in global economic and business are emphasized; students participate in a computerized simulation throughout the semester. Prerequisite(s): BA 310 and BA 321.

BA 495. Senior Management Project. 3 Hours.
An experiential course that gives seniors the opportunity to apply what they have learned in class to a real business situation. Prerequisite(s): College Level=Senior.

BA 496. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.
BA 497. Business and Culture Travel Study Course. 3 Hours.
Business and Culture Travel Study course is designed to expose students to economies across the world. During the course students will travel to important commercial, cultural and governmental cities. Through a combination of readings students will be exposed to 20th and 21st century history, economics, culture political and business philosophy. The course will also involve visits to major multinational corporations, cultural activities and lectures from University business faculty when available. The course will also have two pre-trip class sessions with readings and one post course session to wrap up the experience and discuss the student travel logs.

BA 498. Business Seminar. 3 Hours.
This honors course requires the study of various business problems under the supervision of members of the Department of Business Administration. A paper is required. An oral examination is scheduled as the final examination in the course. Prerequisite(s): College Level=Senior.

BA 499. Topic/. 1-3 Hour.
This is a variable content course. Faculty and students prepare a special topic of timely interest in the business area. This course may consist of seminars, lectures, individualized instruction and/or research related to a specific area of specialization.

BA 600. Research Methods in Business and Education. 3 Hours.
This course is designed for beginning graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

BA 601. Managerial Economics. 3 Hours.
This course begins with a comprehensive overview of micro- and macroeconomic concepts with the aim of developing within students a picture of how business and nonprofit organizations relate to the economy as a whole. The course then focuses on practical applications of economic analysis to problems of concern to managers. Case studies and projects are used to demonstrate the methods used to determine economic feasibility and cost-effectiveness of products, services, and programs.

BA 602. Managerial Accounting. 3 Hours.
This is an accelerated accounting course for those with little or no formal accounting background. The emphasis is on concepts which managers need to know in order to be effective. Topics include the preparation and interpretation of financial statements, cost planning and control, cost-volume-profit analysis, decision-making models, master budgeting and variances, and evaluation of capital projects.

BA 605. Management Communications. 3 Hours.
This is an advanced communications course that builds upon a student’s experience and prior undergraduate coursework in writing and oral communications. Topics include: advanced business writing, use of visual materials, selection of secondary sources of information, report preparation, and presentations to small and large groups.

BA 611. Organizational Behavior. 3 Hours.
This course surveys the major field of management, examining structures and processes on both group and organizational levels. Both traditional and contemporary theories are analyzed and applied to business operations.

BA 620. Financial Management. 3 Hours.
Topics considered include financial planning, operating and capital budgets, cash flow, purchasing and accounting procedures, the sources and uses of corporate and institutional funds, and financial analysis for evaluation and control. Students develop projects specifically related to their needs in educational administration, small business, or corporate management. Prerequisite(s): BA 602 or AC 301.

BA 621. Marketing Management. 3 Hours.
This course focuses on complex problems facing decision-makers in the marketing of goods and services. Emphasis is placed on the decision-making process, including assessment of the social, economic, and political environment in which the organization operates; problem definition; development and evaluation of alternatives, and the implementation of the best alternative. Cases in advertising, sales, marketing research, and strategic marketing management provide practice in marketing analysis and decision-making.

BA 622. Production Management. 3 Hours.
Emphasis is placed on the use of quantitative techniques for solving manufacturing problems. The student is given an opportunity to practice mathematical model-building and manipulation. Other topics considered include queuing system design, plant layout, statistical quality control, inventory modeling, Program Evaluation and Review Technique (PERT), linear and nonlinear programming, and control theory.

BA 625. Global Strategic Management. 3 Hours.
This course focuses on the strategic challenges and opportunities confronting firms that undertake to create value and to compete in the global economy. Successful companies develop strategies for doing business in emerging markets that are different from those they use at home and often find novel ways of implementing them too. The class will make extensive use of case analysis and discussion to evaluate and understand the strategic issues that confront firms operating internationally, as well as to appreciate the importance of values and ethics in organization decisions and actions. In this course we will probe the workings of business strategies in transition and emerging economies, gain an understanding of the strategies of local firms, and analyze the international success and failure of companies. Prerequisite(s): BA 600 and 15 Credits From Range [BA 600 To BA 799].

BA 626. Accounting in Planning, Budgeting and Control. 3 Hours.
This course examines the role of accounting in the planning, budgeting, and control process of a business in a dynamic environment. The integration of measuring and analyzing (planning), short-term decisions and managing organizations (control), and preparing various budgets (budgeting) are emphasized. This course is designed as a continuation of BA602 Managerial Accounting. Numerical problems, as well as case studies, are utilized as methods of study. Prerequisite(s): BA 602 or AC 211.

BA 627. Investment Analysis. 3 Hours.
This course provides a detailed description of securities market organization and approaches to investment opportunities. Students will examine theories used in the valuation of financial securities and employ projects and applications to develop a real world understanding of portfolio management. Prerequisite(s): BA 602.
BA 628. New Venture Planning and Management. 3 Hours.
This course deals with the foundation of new ventures and related aspects of managing the small growing enterprise. Techniques taught in this course are equally applicable to small businesses, nonprofit organizations, and new ventures of larger organizations. Topics include: use of scarce resources, such as money, talent and technological expertise; identification of environmental threats and opportunities; and operational considerations such as organizational structure, legal requirements, financing, and accounting procedures.

BA 641. Human Resource Management. 3 Hours.
This course explores human resource management as an integrated process of planning and control designed to achieve high employee productivity and job satisfaction. The course focuses on the essential functions of human resource management as they apply both to the general supervisory responsibilities of every manager and to the specific operations of the personnel department.

BA 642. Leadership in Business and Professions. 3 Hours.
This course is designed to provide graduate management students with a comprehensive review of the essentials for effective leadership. It focuses on the identification of basic leadership styles, explores the theoretical and practical findings of research in leadership development, and seeks to synthesize the student's leadership style with the most effective working models of leadership.

BA 643. Strategic Change Management. 3 Hours.
Strategic Change Management focuses on the skills required to deal effectively with organizational change. The course addresses first the pressures in the business environment that make change a fundamental reality for managers. Particular attention is paid to change arising from public policy initiatives that impinge on business. The course then examines the manager as change agent responsible for initiating innovation and explores both the personal skills required in the role of change agent and the tools and techniques available to support the manager in that role. The course also examines the problems and opportunities of those who are the recipients of change in an organization and the skills required to cope effectively with that situation.

BA 644. The Legal Environment of Business. 3 Hours.
This course will provide an overview of the important aspects of business law for executives, managers, accountants, and other professionals. The areas of law covered include but are not limited to administrative, contract, corporate and other business organizations, employment relations, real estate, taxes, and UCC sales.

BA 646. Current Issues in Business. 3 Hours.
This course, conducted in seminar fashion, draws on current literature to analyze contemporary and emerging issues facing management in the late twentieth century. Content will vary.

BA 700. Health Care Management. 3 Hours.
This course examines management problems and policy-making in the health care industry. Several areas are considered including: (1) the functions of the health care manager, (2) the types of health care delivery systems, (3) the administration of hospitals, (4) the financing of medical care, and (5) the role of government. Through readings, lectures, discussions, and projects, students clarify their own role in the delivery of health services. The course regularly draws on experts in health planning and health care administration.

BA 701. Legal Environment of Health Care Management. 3 Hours.
The course provides a foundation in the legal and regulatory framework in which health care institutions operate. Students will also examine the legal issues confronting health care managers including director and administrative liability, malpractice, negligence, patient rights and confidentiality, licensure requirements, and the like.

BA 702. Health Care Economics. 3 Hours.
In this course, the principles and tools of economic decision-making are applied to management in the health care sector. The course explores the application to health care management functions of such concepts and processes as supply and demand, resource allocation and utilization, costing and pricing, resource productivity, forecasting and economic aspects of planning, and utilization review. While the principal emphasis in the course is on micro-economic analysis, some consideration is also given to an economic analysis of public policy alternatives for the delivery of health care service. Prerequisite(s): BA 601.

BA 703. Financial Management in Healthcare Organizations. 3 Hours.
This course applies the perspectives and tools of financial analysis to the management of health care organizations and evaluation of organizational performance. Topics covered include capital budgeting, sources of operating revenue, management of cash and inventories, risk analysis and forecasting. Particular attention is paid to cost containment regulatory strategies and their implications for financial planning and management. Prerequisite(s): BA 602.

BA 704. Managing Quality in Healthcare. 3 Hours.
This course examines methods and tools for managing quality in health facilities, physician practices, managed care, and public health. Topics include developments in quality assurance and improvement, utilization review, risk management, and patient satisfaction.

BA 705. Global Perspectives in Healthcare. 3 Hours.
This course examines the social, political, and economic aspects of global healthcare issues. Through a comparative analysis of the health systems of multiple nations, students will compare theories of health policy and priorities, healthcare system facilities, workforce, technology, cost, quality, and access. The emphasis of the course will be on health management strategies used in different countries and healthcare systems to mobilize, allocate, and maintain resources to improve the healthcare status and delivery systems.

BA 710. Law & Ethics for Non-Profit Organizations. 3 Hours.
Non-profit managers and supervisors are held to a higher standard of ethical behavior due to the nature of their funding sources and their mission. This course is designed to develop in the student a basic understanding of the laws governing non-profit organizations, the practical applications of these laws and the ethics that are demanded of non-profit managers.

BA 711. Non-Profit Management and Leadership. 3 Hours.
This course examines the philosophical foundations of the non-profit sector and explores issues and problems specific to managing and leading non-profit organizations. Topics covered include: leading and governing non-profit organizations, managing non-profit operations, board/staff relations, and developing and managing non-profit resources.

BA 712. Strategic Marketing for Nonprofit Organizations. 3 Hours.
This course applies the concepts of marketing and strategy to the management of non-profit organizations. Through class lectures, discussion, case studies, and applied projects, students will build an understanding of the marketing process in the non-profit environment in order to be able to design, implement, and evaluate an organization's approach to marketing and strategic positioning.
BA 713. Fundraising. 3 Hours.
This course takes a systems approach to the process of fund-raising. Topics covered include: donor cultivation, use of the annual fund, major gifts, corporate giving, and grant writing.

BA 720. Advanced Sales and Marketing in Hospitality. 3 Hours.
This course focuses on difficult problems and issues facing sales and marketing personnel in the hospitality industry. Students will make use of case studies in order to develop their decision-making process including the use of marketing research and analysis.

BA 721. Convention Planning and Events Planning. 3 Hours.
This course focuses on the rapidly growing convention sales and events planning industries. The student will learn how to design, plan, market and manage meetings and events.

BA 722. Advanced Front Office Operations. 3 Hours.
This course begins with detailed introduction about numerous aspects of front office operations and management. The next section of the course examines the complex relationships between lodging departments, technological advances, and personnel decisions. The final section of the course includes the many guest service concepts that distinguish a great hotel experience from an average one.

BA 723. Legal Issues in Hospitality Management. 3 Hours.
This course will provide the student an overview of the important aspects of Hospitality Law for Managers, and other professionals. Some of the areas of study include and are not limited to Torts, Products Liability, Constitutional Law and Criminal Law and many other subjects.

BA 724. Managing Service. 3 Hours.
This course begins with an introduction to the framework for providing quality service to customers and guests. Next we will discuss the needs of the customer/guest and proceed to develop our menu and/or product accordingly. Finally, we will learn how management and staff create loyal customers and guests by delivering service that exceeds their expectations.

BA 729. Hospitality Graduate Directed Practicum. 3 Hours.
Each student will find, will choose or will be provided with an internship site. The site chosen will be based on; and interview conducted by the management of the internship site and the student's preference of location based on those available. The Coordinator of Hospitality Management will have the final decision on all internship site placements. The Coordinator's decision will be based on his or her interaction with the student during previous course work, his or her understanding of the student and the internship properties requirements. Every consideration will be given to the student's personal preferences with regard to location and types of property. However, the student's preferences will not be the only consideration for placement. Prerequisite(s): BA 720 and BA 722 and BA 724.

BA 731. Business and Information Technology. 3 Hours.
This graduate course approaches Information Technology from the perspective of information consumers as opposed to technology implementers. During this course, students will examine various technologies and their application within modern organizations. The course has two primary goals. (1) The course will explain information technologies in non-technical terms so that students can evaluate a technology's effectiveness relative to any existing alternatives and the overall organizational needs. (2) This course should increase student awareness regarding how they interact with technology in a personal or business setting. Business leaders are constantly bombarded with technology. This course addresses the need to sift through that information in an intelligent manner and make smart business decisions.

BA 741. Staffing & Selection. 3 Hours.
A source of competitive advantage for any organization is its talent. The effectiveness of an organization depends on the performance of each individual in that organization. Hence, one of the most important human resource functions is that of staffing the organization. This course is essential for HR professionals who are responsible for recruiting, screening, hiring, promoting, and outplacing employees. It is also very crucial for any line managers, supervisors, team leaders, and hiring managers who are involved in recruiting, making promotions, succession, or any other workforce decisions. An examination of the scientific, legal, and administrative issues associated with the recruitment, selection, employment and retention of individuals by organizations augments the study. Specific attention will be given to the current challenges of an increasingly dynamic workplace and diverse workforce.

BA 742. Training & Development. 3 Hours.
The effective training and development of human resources creates tremendous and unique value for an organization. This course examines how organizations can develop and manage the talents and skillset of human capital. The course explores topics such as training needs analysis, formulating training objectives, and the design, implementation, and evaluation of training and development programs.

BA 745. Innovative Global Strategy. 3 Hours.
This course will build students' awareness of the challenges that must be addressed and the opportunities that may be present when competing in the global marketplace. The course focuses on how firms apply innovative strategies to create a sustainable competitive advantage in the global arena. Course content will be drawn from readings, case analysis, online content and discussions. The course requires students to analyze and understand real world examples of both successful and unsuccessful global strategy implementation.

BA 750. Fundamentals of Risk Management. 3 Hours.
This course explores the fundamentals of risk management. After discussion of the importance of risk and the rationale for its management in organizations, the remainder of the course will analyze the process of and methods for managing risk.

BA 751. Employee Benefits. 3 Hours.
This course explores the nature and operation of employer-sponsored benefit plans. Emphasis is placed on plan design, administration, funding, and regulation. The course also addresses organizational characteristics, benefit structure, and pricing of risk transfer schemes for groups.

BA 752. Crisis Management. 3 Hours.
Crisis Management can be defined as a communications response to an event that has a negative impact on an audience - the public, customers/clients, employees, shareholders, etc. Examples of such events could include tainted food, a corporate leak, a political scandal, an entertainment or athletic scandal, damaged products that cause or could potentially cause life-threatening situations, natural disasters, terrorism, and financial disasters. In this course, students will analyze and critique high-profile cases and learn how to effectively respond to crises.

BA 753. Corporate Risk Management. 3 Hours.
Corporate risk is analyzed through the lens of enterprise risk management. This course explores the operational and financial risks faced by firms and the study of various methods of handling these risks.

BA 754. Strategic Selling. 3 Hours.
The focus of this course is on key, strategic customer selling approaches. The process of sales planning and strategy development for these types of customers will be emphasized. The objective of this course is to understand and execute sales strategies for managing major and large customers.
BA 760. Technology & Innovation. 3 Hours.
BA 760 Technology & Innovation offers a research approach to identifying, analyzing, and creating technological advantage in nascent and mature industries. Students will apply the methodologies of innovation and discovery to business settings and markets, seeking to create competitive advantage and achieve market transformation through strategic initiatives that redefine consumer expectations and industry practices and reframe organizations to embrace innovative practices and processes.

BA 761. Biotechnology: The Business of Genetics. 3 Hours.
This course is designed to provide students with the opportunity to become familiar with the scope and nature of organizations that work with genetics within biotechnology industries. Through extensive case studies, students focus on the dynamics of these enterprises, their organizational structures, the regulatory considerations of these entities, and how organizational cultures are created to enhance opportunities for innovation and discovery.

BA 762. Grouptink. 3 Hours.
This course explores the origin of grouptink. Grouptink is a term first used by social psychologist Irving L. Janis (1972) that refers to a psychological phenomenon in which people strive for consensus within a group. This course explores grouptink as a phenomenon where people set aside their own personal beliefs or adopt the opinion of the rest of the group.

BA 763. Biotechnology & Innovation: Intellectual Property. 3 Hours.
This course focuses on the protection of proprietary and intellectual rights in inventions, writings, creative works, software, industry trade secrets, industry trade designations, and other intellectual assets at the international, Federal, and State Levels. The course will give special consideration to the emergence of new areas of patent law in Biotechnology and Pharmaceutical fields, examining not only the patentability of intellectual assets, but also the discovery process, particularly in collaborative environments involving multiple organizations and institutions, and the qualifying distinctions between collaborative and competitive research.

BA 790. Independent Study. 3 Hours.
The student studies with a faculty member who specializes in an appropriate field. Emphasis is on individual reading and directed action or research programs which involve student and professor. The student must have the approval of the dean, the faculty member involved, and must file a written plan of the project with the graduate dean. A maximum of three (3) credits may be earned.*

BA 791. Professional Project. 3-6 Hours.
This course is used to award graduate credit for prior learning and educational experience obtained outside of the traditional classroom. Through the preparation of a professional project, students provide formal documentation of the specific graduate-level learning competencies which they have acquired through prior experience. A maximum of six (6) credit hours may be earned.

BA 792. Graduate Internship I. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director.

BA 793. Graduate Internship II. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization’s supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 792.

BA 794. Graduate Internship III. 3 Hours.
In this experiential course, the student serves as an intern in a business or non-profit organization. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional organization supervisor, and the internship director. The experience may be multidisciplinary, but should have a strong accounting element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): BA 793.

BA 796. Leadership Maine. 3 Hours.
This course awards academic credit for participation in the Bangor Region Leadership Institute (BRLI) program or the Leadership Maine program. Both programs are designed to lead students in an exploration of leadership and their leadership capabilities. Throughout the programs, students are introduced to key social and economic issues impacting the local region and the state of Maine. The programs culminate in an experiential project undertaken with a non-profit partner.

BA 798. Thesis. 6 Hours.
The thesis may be library-oriented research with extensive reliance on documents and a relatively limited amount of primary field research, or it may be action-oriented field research with relevant documentation from the literature. The title of the thesis topic must be filed with the graduate committee. A student, with the approval of his/her advisory committee, may register for the thesis after completion of twenty-four (24) semester hours.

BA 799. Topic/. 3 Hours.
Students work together in a seminar setting under the direction of a member of the graduate faculty. The content of the seminar will vary according to the interests of students and faculty involved.

CJ (CJ)

Courses

CJ 101. Intro to Justice & Pub Safety. 3 Hours.
This course introduces students to the social reality of crime, criminal behavior, and law as each of these relates to the criminal justice system. Students examine the role of law enforcement, prosecution, defense, court system, corrections, and juvenile justice at various levels. Students are challenged to expand both their knowledge and appreciation of the criminal justice system through arranged visits to courts, detention facilities and working law enforcement agencies.

CJ 190. The Science of Fingerprints. 3 Hours.
This course will allow students to examine every facet of the discipline, from the history of friction ridge identification and its earliest pioneers and researchers, skin growth in the embryo, structure of skin, scarring and histology, the chemistry of sweat and other secretions, to the scientific basis and the various steps of the identification process.
CJ 215. Police Operations. 3 Hours.
This course deals with everyday problems, situations and operations of the police department and the police officer. Included in the course is the study of many jobs and applications of duty in the police service. The course is a study of the patrol officer’s function, with a background investigation of the total organization. The use of staff deployment, tactical operations, and the use of various equipment are discussed in some detail during the course with an emphasis on how operations and equipment are changing. Prerequisite(s): CJ 101.

CJ 221. Criminalistics. 3 Hours.
This course will focus on the recovery, documentation and laboratory analysis of physical evidence found at the scene of a crime. The course covers the principles of effective crime scene management as well as what information can be obtained from particular pieces of physical evidence as a result of laboratory study. The laboratory analysis of the following will be covered: glass, soil, organic and inorganic substances, hairs, fibers, paint, drugs, poison, arson and explosive evidence, serology, DNA, fingerprints, firearms, tool impressions, miscellaneous impressions, photography, document and voice examinations. Prerequisite(s): CJ 101.

CJ 225. Criminal Procedure. 3 Hours.
This course is designed to teach the background and current information regarding arrest, search and seizure. It explores the development of standards in this field, through constitutional law, state law, concepts and interpretation, limitations of police powers, probable cause, and the suppression hearing.

CJ 235. Criminology. 3 Hours.
This course is intended to introduce and review the sociological perspective as it is applied to the themes of crime, criminality and the individual offender. Specifically, criminological theories of social process, social structure and social conflict will be explored in conjunction with views on developmental and trait-based perspectives to illuminate the social underpinnings of crime in modern society. Each particular viewpoint will be applied to the understanding of broad categories of criminal behavior and activity, including but not limited to: violent crime, property crime, public order crimes, organized crime, and white collar offenses. Additionally, the criminal justice system and its component structural and procedural parts will be reviewed to provide the student with an enhanced awareness of the social aspects of criminal behavior and its impact for law-making and enforcement. Prerequisite(s): PY 111 and (SY 201 or SY 222).

CJ 290. Psychology and the Legal System. 3 Hours.
Students will explore the movement of criminal defendants through the legal system in light of various clinical necessities, including but not limited to: Competencies to offer testimony, as well as to be sentenced and excused; jury selection; and the identification and evaluation of criminal suspects. Additionally, emphasis will be placed upon the psychology of victimization. Prerequisite(s): CJ 101 and CJ 225 and PY 111.

CJ 301. Critical Skills. 3 Hours.
This course is intended to introduce and review the basic law enforcement skills of self defense and control. Specifically, students will learn and practice the important elements of establishing control of situations using verbal, nonverbal and physical techniques as complementary intervention options. Strategies to manage the initial encounter will be discussed in regard to proper stance, appropriate social distance, authoritative body language and the use of verbal diffusion. The physical element of encounters will be reviewed and practiced to provide the student with a practical knowledge of techniques including, but not limited to: deflection, strikes and counters, takedowns and ground control of a combative individual. The above skills will be expanded upon to provide the necessary understanding of other control systems such as proper use of handcuffs, baton and chemical products to establish control. The focus on practical skills will be reviewed within the context of the use of force continuum ranging from verbal redirection to deadly force. Prerequisite(s): CJ 101 and CJ 215.

CJ 302. Advanced Critical Skills. 3 Hours.
This course is intended as a continuation of the psychological and physical applications of critical skills (police physical restraint and control). Through a series of steps, the student will reinforce the basics, enhance the flow of technique and finally though situational training strengthen and secure psychological and physical technique to specific calls and events. The focus on practical skills will be reviewed within the context of the use of force continuum ranging from verbal redirection to deadly force. Prerequisite(s): CJ 301.

CJ 305. Motor Vehicle Law. 3 Hours.
This course is intended to introduce and review motor vehicle law as relates to the enforcement of those statutes concerned with moving violations. The student will also be introduced to the principles and procedures of identification and investigation of motor vehicle infractions. Specifically, topics will be presented ranging from vehicle stops and pursuit driving to operating under the influence and traffic-related fatalities, including homicide. Students will gain in in-depth understanding of accident and hit-and-run investigation, as well as an overview of providing testimony in the courtroom. Each aspect of enforcement and investigation will thereby contribute to an appreciation of the complexities of police responsibilities regarding the monitoring and control of traffic movement. Prerequisite(s): PL 200.

CJ 307. Community Policing. 3 Hours.
This course is intended to introduce and review the basic principles of community policing strategies in contemporary society. The importance of enhanced law enforcement-community relationships will be discussed in relation to the benefits to the citizenry as well as enhanced relations with community stakeholders such as schools, businesses and religious institutions. Specifically, the student will be expected to gain an appreciation of the police officer as a community member who works collaboratively with private citizens to analyze, evaluate and respond to crime. This focus on cooperative problem-solving will be further explored in regard to how strategic partnerships between law enforcement and the community can positively impact criminal acts, fear of crime and social disorder. Prerequisite(s): CJ 215.

CJ 309. Constitutional Law. 3 Hours.
This course will explore the First, Second, Fourth, Fifth, Sixth, Eighth and Fourteenth Amendments of the Constitution through reading of case law and real life examples. Students will understand the arguments that exist for persons involved in civil and criminal matters from the Constitution. Prerequisite(s): CJ 225.
CJ 310. Mod Penology and Corrections. 3 Hours.
This course offers an in-depth familiarity with the key readings in the history and sociology of incarceration. Topics include: theories of incarceration, sentence determination, with emphasis on the controversy over the federal guidelines, history of our incarceration system, inmate and staff perspectives on incarceration, special category inmates such as mentally ill, rape victims, death row inmates, and juvenile offenders, the death penalty, and the community supervision movement. The course concludes with an examination of the new technologies of incarceration. Prerequisite(s): CJ 101.

CJ 315. Juvenile Justice. 3 Hours.
This course covers the institutional response to the problems of juvenile delinquency, juvenile misconduct and dependent/neglected and abused children. It emphasizes the police, court, and correctional agencies that process young people. In addition, it devotes attention to an understanding of the history of the system, recent legal developments, and an assessment of current proposals for reform. Prerequisite(s): CJ 101.

CJ 330. Ethics in Criminal Justice. 3 Hours.
This course will offer the student an examination of ethical systems as they relate to moral beliefs and professional behavior in law enforcement. Students will discuss how ideology and belief systems, whether liberal, moderate, or conservative affects criminal justice policy making and the day-to-day functioning of criminal justice agencies. As an exercise, students will apply ethical decision-making models to real world scenarios. Additionally, the course will include thirteen objectives that the student will be expected to master extending from a code of ethics for police to major rationales for punishment. Prerequisite(s): CJ 101.

CJ 333. Computer Forensics. 3 Hours.
This course will focus on the investigative use of computer technologies and electronic records. Students will be exposed to "digital evidence" and the valuable information it can provide to investigators. The course will have a two-tier approach. (1) Students will be shown how to extract readily decipherable information from someone's computer such as looking for at their files or their browser history of web sites visited. Even if the information is password protected or has been deleted it might still be recoverable. (2) The course will examine criminals who use computers and the Internet to commit various crimes ranging from trying to lure children into chat rooms or face-to-face meetings to every sort of financial fraud. This course is intended to address a growing need in law enforcement. Prerequisite(s): Major=BS Comp Info Systems or Major=BS Criminal Justice.

CJ 335. Report Writing and Testifying. 3 Hours.
This course is designed to teach students how to write police reports, search warrants and affidavits. Topics studied will include: the SEE method; legal concepts of reasonable articulable suspicion; probable cause to arrest; determination of custody for purposes of Miranda; and testifying effectively in court. Prerequisite(s): CJ 101 and CJ 225 and PL 200.

CJ 337. Interviewing and Interrogation. 3 Hours.
This course will focus on interviewing skills and techniques, both from a practical and legal perspective. Primary attention will be given to what needs to be done to satisfy the legal standards of voluntariness of admissions and confessions. Fifth and Sixth Amendment law will be thoroughly reviewed and discussed. The course will prepare students to conduct effective interrogations, and document the interrogation in a manner that will withstand later legal challenges. Prerequisite(s): CJ 101 and CJ 225 and PL 200.

CJ 341. Investigations. 3 Hours.
This course covers both private and public investigations as well as the practice and application to criminal investigations. It stresses the professionalism and modern investigation tools as it covers established investigation policies, procedures, and techniques for the law enforcement officer. Recent court cases and investigations are integrated throughout the course to update the students on significant happenings throughout the world. Prerequisite(s): CJ 101.

CJ 345. Comparative Criminal Justice. 3 Hours.
This course is intended to introduce and review the basic theoretical, cultural and practical applications of criminal justice systems in other parts of the world. American criminal law and procedure will be discussed to provide a comparative reference point for the variations in systems and practices across differing cultures in other nations. Additionally, the course will provide students with an understanding of the roles of social control mechanisms such as police, judiciary and correctional institutions outside of the U.S. Prerequisite(s): CJ 101 and CJ 225.

CJ 399. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in criminal justice that would not normally be a part of the Hussian curriculum. As such the topics will depend of the interests of students and faculty.

CJ 400. Evidence. 3 Hours.
This course will present the basic principles of the law of evidence as expressed in the Federal Rules of Evidence and the Maine Rules of Evidence. The student will develop the ability to read and apply a rule of evidence to specific information and circumstances. An emphasis will be placed on learning how the Federal & Maine Rules of Evidence affect trial preparation, negotiation, and trial. Participatory role play and discussion of hypothetical situations will constitute a significant part of the learning experience. Prerequisite(s): Major=AS Criminal Justice or Major=AS Paralegal or Major=BS Criminal Justice or Major=BS Paralegal or Major=BS English - Prelaw.

CJ 401. Civil Liability in Law Enforcement. 3 Hours.
This course will provide students with a historical overview and current trends in civil litigation against law enforcement as well as describing the varying types of liability that exist under the law. Students will study the defenses to liability claims made against law enforcement. Liability claims will also be examined from the administrator's point of view including claims of failure to train and failure to supervise. Use of force and section 1983 claims will be examined in detail as the main claims against law enforcement. Prerequisite(s): CJ 101.

CJ 402. Perspectives in Terrorism. 3 Hours.
This course will analyze aspects of historical and current extremism and terrorism which will be related to contemporary domestic and international terrorism issues. The course will cover sophisticated theories developed by analysts around the world to investigate paramilitarism, white supremacy groups, hate groups, religious fundamentalism, and foreign terrorist groups which may pose a threat to United States interests. The special topic analyzed is not a regular course offering of the social sciences department. Since the topic covered in this class differs from year to year, students should seek further information from the instructor before registering regarding the particular topic that will be analyzed. Possible topics to be analyzed include: the ancient roots of terrorism, motivation of terrorists, the current vulnerability of modern democracies, and global jihad.
CJ 403. Domestic Violence Law. 3 Hours.
This course introduces domestic violence law from an interdisciplinary perspective and offers a contemporary view of the criminal justice experience with diverse populations and forms of violence. Topics will include violence perpetrated in a variety of age and gender relationships including: dating violence, sibling abuse, rape and incest, child and elder abuse and neglect, male battering, violence within the lesbian and gay communities, and violence against women. Students will also be expected to master current State of Maine and federal statutes relating to domestic violence. Prerequisite(s): PL 100 or CJ 101.

CJ 404. Cults. 3 Hours.
This course is intended to introduce and explore the structure and psychology of totalistic cultic organizations. Students will examine the key differences between conventional religious movements, splinter sects and cults to better understand the differences among varied faith-based organizations. Cults will be viewed both from historical and contemporary viewpoints in regard to recruiting practices, thought reform and control, personal and social consequences of cult membership, and the unique challenges that such groups pose for law enforcement. Additionally, students will review the clinical precursors which may predispose an individual to cultic persuasion and indoctrination, as well as the psychological consequences of membership. The course will rely heavily upon a detailed case study format which will scrutinize selected cult leaders/groups and allow students to apply theoretical knowledge to particular historical events and figures. Prerequisite(s): PY 332 or PY 232.

CJ 405. Crime & Literature. 3 Hours.
This course is intended to introduce several works of classical and modern literature which have incorporated the use of crime or criminality as a central theme. Students will be required to read from works of short fiction and novels as a means of preparing for discussion and analysis of core elements. Additionally, the various experiences of the individual criminal will be considered in light of those factors which may have an impact on the development of crime as a situational or social phenomenon. Required sources may include, but not remain limited to: Ernest Hemingway, Arthur Miller, William Faulkner and Truman Capote. Prerequisite(s): EH 200.

CJ 406. Victimology. 3 Hours.
This course will focus on the forgotten member of the criminal dyad: the victim. The purpose of this course is to introduce students to these developments and to alert them to ongoing victim-related issues. The goals of the course will include: Introducing the student to the development of the field of victimology; Delineating the conceptual boundaries of victimology; Familiarizing the student with basic concepts and literature within various sub-areas of victimology; Exploring policy developments and practical applications that stem from this concern over victims; and Assessing the progress away from a criminal justice system towards achieving a victim justice system. Prerequisite(s): CJ 235.

CJ 407. Advanced Community Policing. 3 Hours.
In this practicum based course, students will establish partnerships with relevant community members to identify problems related to the incidence of crime and social disorder. Students will engage in a collaborative problem solving exercise which will illustrate the enhanced ability of communities to prevent crime and disorder through cooperative and reciprocal relationships between police and citizens. Prerequisite(s): CJ 307.

CJ 408. Serial Homicide. 3 Hours.
This course is intended to introduce and explore the phenomenon of repetitive, intrinsically motivated homicide utilizing both clinical and law enforcement perspectives. Primary behavioral and crime scene characteristics of both organized and disorganized types of offenders will be reviewed to explain the incidence of serial homicide as a function of motivational factors ranging from sociopathy to severe psychiatric disturbance. The varied typologies and classification systems for serial murderers will be presented as a means of discussing issues ranging from victim selection to law enforcement investigative responsibilities. The course will rely heavily upon a detailed case study format which will scrutinize the crimes of key selected offenders and allow students to apply theoretical knowledge to particular serial perpetrators. Prerequisite(s): PY 332 or PY 232.

CJ 409. Criminal Profiling. 3 Hours.
This course is intended to introduce and review the basic theoretical and practical applications of criminal profiling techniques. Specifically, the student will be introduced to concepts including, but not limited to: the uses of criminal profiling; crime scene evaluation and reconstruction; criminal motivation and offender characteristics; modus operandi and offender signature; psychopathic and sadistic behavior; behavioral aspects of fire-setting; serial offenses, including rape and homicide. Students will explore varied offense behaviors and their psychological underpinnings to develop an understanding of the role of behavioral analysis of evidence in critical investigations. Prerequisite(s): PY 332 or PY 232.

CJ 410. Criminal Justice Internship. 3-9 Hours.
In this experiential course, the student serves as an intern with a criminal justice professional in a work setting. This placement may be in the public or private sector and is governed by an agreement signed by the student, the professional, and the internship director. The experience may be multidisciplinary, but should have a strong criminal justice element. Students are expected to be sufficiently motivated to seek out their own placement site with some guidance from the internship director. Prerequisite(s): College Level=Junior or College Level=Senior.

CJ 412. Homeland Security. 3 Hours.
This course of study relates principle aspects of terrorism and how it affects our communities. This course compiles information from programs available on the national level that pertain to terrorism and the law enforcement officer's response to these types of incidents. The instruction is designed to provide the student with an understanding of the key role of first responder in their response to a suspected terrorist incident.

CJ 414. Counterterrorism and Counterinsurgency. 3 Hours.
This course introduces students to the topics of counterterrorism and counterinsurgency. A variety of concepts, theories, and methodologies will be examined in an effort to better understand what drives violent jihadism and global terrorism. Students will learn about policies, strategies, and tactics designed to counter the global threats currently posed during the terror age, and the operational and political risks of government action or inaction.

CJ 415. Corporate Security. 3 Hours.
Security has entered a new era since the events of 9/11 and this course focuses on the impact of these events on Corporate Security. Risk assessment models and proactive strategic planning concepts will be discussed drawing from actual cases. Students will also learn the importance of working from measurable metrics and business needs rather than unproven assumptions.
CJ 416. Global Jihad and Radicalization. 3 Hours.
This course will focus on the rise of radical Islam beginning in the late 20th century with the Mujahideen in Afghanistan and the Muslim Brotherhood in Egypt, through the 21st century with the emergence of Al Qaeda, Taliban, Boko Haram and ISIS. The course will examine methods, practices and global ambitions of these groups. Additionally attention will be given to the global ambitions for the creation of an Islamic caliphate and its implications for the modern world. The process and dynamics of Islamic fundamentalist radicalization will be explored in terms of how and where it occurs and how it can be prevented. Extensive use will be made of multimedia images of historical and current events.

CJ 420. Leadership in Police Organizations I. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 421. Leadership in Police Organizations II. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 435. Management & Criminal Justice. 3 Hours.
This course examines the application of modern management theory and technique to the criminal justice system. It emphasizes the unique nature of the criminal justice community and the complex relationships, which are necessary to make it efficient and effective. Topics covered include: hiring, developing personnel; managing budgets, dealing with public sector unions; discipline and problem behaviors; complaints and grievances; stress and time management; performance appraisals; deploying human resources; and emerging trends in criminal justice management. Prerequisite(s): CJ 215.

CJ 445. Criminal Justice Capstone. 3 Hours.
This course is designed to synthesize the information and insights from other courses in the Criminal Justice Curriculum. It includes research in crime trends and causes, scholarly research, and an assessment of each student’s knowledge and understanding of the essential elements of the criminal justice system. This Capstone Course will focus on pragmatic application of principles and theories which guide Criminal Justice practice in the United States. Prerequisite(s): CJ 225 and PL 200.

CJ 490. Forensic Psychology. 3 Hours.
This course will introduce and review the basic theoretical and practical applications of forensic psychology in our society. The student will be introduced to concepts in the field that directly impact or influence law enforcement and the judicial system. Concepts will range from the uses of criminal profiling, risk assessment of violent behavior and interrogation to custody, competency and discrimination determinations. Students will gain an in-depth understanding of each core topic as well as an appreciation for how each contributes to the broader domain of the criminal justice system. Prerequisite(s): (PY 332 or PY 232) and (College Level=Junior or College Level=Senior).

CJ 491. Forensic Science I. 4 Hours.
This course builds on the scientific knowledge and analytical skills developed in the prerequisite science courses and laboratory work. The student will apply scientific principles and use current laboratory instrumentation to compare and distinguish between typical forensic evidence items. Students will become familiar with microscope examinations of trace evidence including soil, fibers and hairs, forensic serology and screening, DNA typing, bloodstain pattern analysis and toxicology. Topical discussions and lectures will be supplemented by scheduled field trips and guest speakers from the forensic science community. Prerequisite(s): SC 191 and SC 192 and SL 191 and SL 192 and SC 241 and CJ 221 and CJ 330 and SC 224.

CJ 492. Forensic Science II. 4 Hours.
This course builds on the scientific knowledge and analytical skills developed in the prerequisite science courses, laboratory work and Forensic Science I course. The student will build on their understanding of the properties of organic and inorganic compounds and apply these to analysis of typical forensic science samples. Students will analyze drugs, inks and dyes, explosives, fire debris samples. Forensic document examination, fingerprint development and bullet comparisons will be conducted. Scientific reports will be written for each specific forensic discipline. Topical discussions and lectures will be supplemented by scheduled field trips and guest speakers from the forensic science community. Prerequisite(s): CJ 491.

CJ 493. Forensic Seminar. 4 Hours.
This course is the capstone of the bachelor’s degree in forensic science. The course will draw on the knowledge acquired throughout the previous seven semesters. The course will guide students through correct processing and sequencing of processing of evidence at the crime scene and in the laboratory. Particular attention will be placed on understanding the pros and cons, false negatives and false positives, cross reactions and potential for cross contamination in analyzing and testing evidence items. Students will learn various techniques for describing scientific principles in layman’s terms. The course will finish up with a mock trial at the end of the semester, giving the student the chance to experience direct and cross examination. During the course of the semester the class will sit for the International Association of Identification (IAI) crime scene technician certification. This will give the students the opportunity to acquire international certification and well as earn the degree. Prerequisite(s): SC 103 and SL 103 and SC 241 and SL 241 and CJ 221 and CJ 330 and SC 224 and CJ 491.

CJ 496. Concepts and Issues in CJ. 3 Hours.
This course provides a broad overview and critical examination of criminal justice topics. Commentary on these issues is written by experts in fields such as crime and justice and America, American law enforcement, the court system, juvenile justice, corrections, and the future of justice in America. Students will be required to meet nineteen course objectives and will be expected to read and comprehend a series of essays and subsequently research current events related to the CJ topics. An additional requirement will be student-led class discussion on an assigned topic area over the course of the semester. Prerequisite(s): (College Level=Junior or College Level=Senior) and (Major=BS Criminal Justice or Major=BS Psychology - Crim Justice).

CJ 498. Basic Law Enforcement Training. 15 Hours.
Taught at the Maine Criminal Justice Academy, this 18-week course is designed to qualify a student as a Maine law enforcement officer. The Academy program tests a student’s ability and willingness to assume the complex and challenging responsibilities of a modern law enforcement officer in keeping the peace, protecting state and federal constitutional rights and enforcing the law.
CJ 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in criminal justice that would not normally be a part of the Husson curriculum. As such the topics will depend of the interests of students and faculty. Prerequisite(s): ( College Level=Junior or College Level=Senior).

CJ 700. Introduction to Criminal Justice Administration. 3 Hours.
This course provides an analysis and overview of the theories of organization and the administration of criminal justice agencies, including management styles, techniques of leadership, ethics, and decision-making for those students who do not have a previous background in criminal justice.

CJ 701. Justice Administration and Information Systems. 3 Hours.
This course will include the examination of contemporary law enforcement organizations and the issues police and other public service managers confront every day. The course will focus on case study analysis as a method of learning the latest management and behavioral theories. The five approaches to management that will be emphasized include: commitment to a common purpose; concern for high-quality public services; empowerment and shared leadership; pragmatic incrementalism; and dedication to public service.

CJ 702. Perspectives in Terrorism. 3 Hours.
The students in this course will analyze aspects of historical and current extremism and terrorism which will be related to contemporary domestic and international terrorism issues. The course will cover sophisticated theories developed by analysts around the world to investigate paramilitarism, white supremacy groups, hate groups, religious fundamentalism, and foreign terrorist groups which may pose a threat to United States interests. Among the topics to be analyzed include the ancient roots of terrorism, motivation of terrorists, the current vulnerability of modern democracies, and global jihad.

CJ 703. Labor and Employment Law. 3 Hours.
This course reviews the law under the National Labor Relations Act (NLRA). It will focus on unfair labor practices, union representative elections and conflict in the workplace. It includes an emphasis on proper collective bargaining processes, methods of mediation and arbitration to resolve disputes and the duty to bargain in good faith between employers and employees. Students are expected to study the text of the statute, relevant selections from actual cases, and various other materials and apply them to current events and hypothetical situations.

CJ 705. Leadership & Ethics. 3 Hours.
This course will provide students with a study of leadership principles and strategies using historical figures as examples. The primary source of effective leadership will be Ernest Shackleton and is 1914 Antarctic expedition. Other historical leaders that will be drawn from include, but are not limited to: George Washington, Abraham Lincoln, and Theodore Roosevelt. Students will focus on leadership decisions made by these individuals and the ethical framework that surrounds every decision. Students will incorporate the leadership and ethical decision making skills into a final project related to their own field of study.

CJ 707. Public Policy and Planning. 3 Hours.
Students will examine policy development and planning processes. Topics will include the process and models of policy formation, policy implementation methods and evaluation components typically associated with planned change in criminal justice.

CJ 709. Advanced Criminological Theories. 3 Hours.
This course is intended to introduce an advanced sociological perspective as it is applied to the themes of crime, criminality and the individual offender. Specifically, definitions of selected crimes will be explored in conjunction with various perspectives on both causation and response to criminal acts. This analysis will require students to read and discuss the primary writings of those thinkers responsible for the development of landmark classical and contemporary criminological theories.

CJ 710. Criminal Justice Graduate Internship. 3-6 Hours.
This course is designed for students who desire to obtain on-the-job experience in the criminal justice profession who have not previously been employed in the internship locale. The nature of the work and the location of the internship must be approved by the student’s advisor. Included in the experience and pre-counseling, on-site supervision, periodic summary and evaluation reporting, supplemental reading, pertinent research or practical work-related projects, and presentation of projects.

CJ 711. White Collar Crime. 3 Hours.
This course explores the nature of elite deviance as it relates to crime and power in American society. Various forms of white collar crime will be examined and illustrated through case studies and estimates of the extent and costs of these crimes will be presented. Students will have the opportunity to gain a better understanding of how white collar crime affects employees, consumer and citizens.

CJ 712. Homeland Security. 3 Hours.
This course relates principle aspects of terrorism and how it affects our communities. It compiles information from programs available on the national level that pertain to terrorism and the law enforcement officer’s response to these types of incidents. The instruction is designed to provide the student with an understanding of the key role of first responder in their response to a suspected terrorist incident.

CJ 713. Psychology and the Legal Environment. 3 Hours.
This course is intended to introduce and review the basic theoretical and practical applications of forensic psychology in our society. Specifically, issues related to the use of psychological research and knowledge in legal environments will be presented to allow the student to appreciate the unique interaction between psychology and the law. Concepts will range from the analysis of competency and insanity to the use of criminal profiling, risk assessments of violent behavior, and psychopathology. Considerable attention will be allotted to an investigation of victimology concerns stemming from sexual assault of children and adults, as well as domestic violence. Students will gain an in-depth understanding of each core topic as well as an appreciation for how each contributes to the broader domain of the legal system.

CJ 714. Counterterrorism and Counterinsurgency. 3 Hours.
This course introduces students to the topics of counterterrorism and counterinsurgency. A variety of concepts, theories, and methodologies will be examined in an effort to better understand what drives violent jihadism and global terrorism. Students will learn about policies, strategies, and tactics designed to counter the global threats currently posed during the terror age, and the operational and political risks of government action or inaction.
CJ 715. Corporate Security. 3 Hours.
This course will focus on the impacts on corporate security from the new age that has been entered since 9/11/01. Entirely new risk assessment models and proactive strategic planning concepts will be discussed drawing from actual cases. The important of working from measurable metrics and business needs rather than unproven assumptions will be discussed.

CJ 716. Global Jihad and Radicalization. 3 Hours.
This course will focus on the issue of the rise of radical Islam beginning in the late 20th century with the Mujahedeen in Afghanistan and the Muslim Brotherhood in Egypt, through the 21st century with the emergence of Al Qaeda, Taliban, Boka Haram and ISIS. The course will examine methods, practices, and global ambitions of these groups. Additionally attention will be given to the global ambitions for the creation of an Islamic caliphate and its implications for the modern world. The process and dynamics of Islamic fundamentalist radicalization will be explored in terms of how and where it occurs and how it can be prevented. Extensive use will be made of multimedia images of historical and current events.

CJ 717. Graduate Capstone Course. 3 Hours.
This course focuses on providing students an understanding of the major theories of the public policymaking process, the mechanics of the process, methods of examining policy impacts, and how criminological research can affect policy change as well as be driven by policy. Another goal of this course is to familiarize students with current pressing criminal justice issues and to have the students become sophisticated practitioners and consumers of evaluation research. Students will be expected to reflect critically upon the role of criminological research in the policy making / decision making process. Prerequisite(s): BA 600 and 18 Credits From Range [BA 600 To BA 799].

CJ 720. Leadership in Police Organizations I. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 721. Leadership in Police Organizations II. 3 Hours.
This course awards academic credit for participation in the International Association of Chiefs of Police Leadership in Police Organizations Program (LPO). The program is a leadership training program based on the principles of dispersed leadership in a policing environment.

CJ 799. Topic/. 3-6 Hours.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in Criminal Justice Administration. This course may consist of seminars, individualized instruction, and/or research related to a specific area of specialization.

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Courses
CM 100. Speech. 3 Hours.
This introductory course develops students’ ability to deliver and evaluate public speeches of both prepared and impromptu nature. Students explore connections between the written and spoken word. The significance of nonverbal language and listening skills is also emphasized.

CM 190. Intimate Communication. 3 Hours.
Loving well requires communicating well. This course seeks to improve students’ ability to listen in a focused way to another person and to speak in ways that communicate more effectively—both essential to loving well. Students will become more aware of how one’s style of communicating affects whether his or her love is believable. Communicating is most challenging in matters where we are most different from our loved one. Information can help us recognize and better understand our different needs without judging them. Therefore the course will examine some important insights from psychology and physiological science about human needs and tendencies and love. This will include current research findings (science and social science) on male-female differences.

CM 200. Interpersonal Communication. 3 Hours.
Students will learn and understand the principles, theories, and some of the practical applications of effective face to face communication. Students will also become aware of how effective communication develops in relationships such as within families, and among coworkers and friends.

CM 221. Professional Communications. 3 Hours.
The course examines written and oral forms of business communication, from memos and letters to research proposals and reports. Flexibility in addressing diverse audiences and human resource issues is a focus. The construction of resumes, cover letters, job interviews and formal presentations is also emphasized. Prerequisite(s): (EH 111 or EH 123) and (EH 112 or EH 200) and EH 124.

CM 299. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in communication that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

CM 310. Leadership. 3 Hours.
This course is designed to integrate recent leadership ideas and practices with established research findings focusing on the development of leadership qualities in the student. Valuable ideas such as leadership vision, individual courage, ethical and moral issues, leading change, leading a learning organization, the differences between leadership and management, leadership and multiculturalism, a leader’s personal capacity for mind, heart and spirit, followership and shaping values and culture are examined. In addition, the direct involvement of the student in the design and development of his/her leadership style is encouraged. Prerequisite(s): EH 200.

CM 323. Advanced Professional Communications. 3 Hours.
This course emphasizes the written and oral presentation of research findings for business and professional management audiences. Students identify problems, outline strategies and develop proposals, feasibility studies, or other reports in their areas of study, training, and career interest. The course concludes with presentation and evaluation of major projects. Prerequisite(s): (EH 111 or EH 123) and (EH 112 or EH 200) and (CM 221 or EH 221) and EH 124.

CM 340. Crisis Communication. 3 Hours.
A practical course on responding to and managing crises of all kinds: natural disasters; terrorism; product recalls; political, corporate, personal crises. Students will learn how to create a crisis management plan and an evacuation plan. Prerequisite(s): EH 200 or CM 221.
Courses

**CO 700. Orientation to the Professions of Counseling and Human Relat. 3 Hours.**
This course is designed to provide an orientation to, and overview of, the counseling and human relations professions including a history of the counseling profession, standards, credentialing, professional role and identity development. Prerequisite(s): Major=MS Clinical Mental Health Counseling or Major=MS Human Relations or Major=MS Pastoral Counseling or Major=MS School Counseling.

**CO 702. Human Growth and Development. 3 Hours.**
This course includes a survey of the physiological, social and psychological factors that influence the development of personality. Students will learn about what makes people distinctively different as they critically evaluate the various theories of personality development.

**CO 703. Research and Program Evaluation. 3 Hours.**
Students learn to conceptualize research problems and develop hypotheses. Emphasis is on defining and measuring the important variables; design of research strategies; analysis of data; interpretation and inference; and writing and implementing a research proposal.

**CO 704. Social and Cultural Diversity. 3 Hours.**
This course is designed to promote understanding of social and cultural diversity through study of such issues as ethnicity, gender, race, socioeconomic status, religion/spirituality, sexual orientation, ability/disability, family structure and geographic location. Students will examine how their cultural identity impacts their beliefs, values and actions, and learn the skills for competent ethical practices with diverse populations. Prerequisite(s): CO 700 or PY 700.

**CO 705. Theories of Counseling. 3 Hours.**
This course provides an intensive look at selected theories of counseling and psychotherapy. The major concepts of each theory are reviewed and critiqued in light of current research and theory. Students are encouraged to begin to define their own theoretical approach.

**CO 710. Counseling Techniques. 3 Hours.**
This course is designed to help students acquire and develop skills essential to the helping process. Core elements include: the nature of the helping relationship, introduction to basic counseling skills, and an exploration of the attitudes and beliefs involved in developing and maintaining helping relationships and how these fundamental core elements apply to counselors. Emphasis will also be placed on practitioner self-awareness and self-care. Role-playing videotape experiences and other skill development exercises will be included. Prerequisite(s): Major=MS Clinical Mental Health Counseling or Major=MS Human Relations or Major=MS Pastoral Counseling or Major=MS School Counseling.

**CO 711. Legal, Ethical and Professional Issues in Counseling. 3 Hours.**
This course provides a legal and ethical framework for the counseling profession as well as a focus on standards and credentialing and current professional issues relevant to the work of counselors. Prerequisite(s): (CO 700 or PY 700) and (CO 702 or PY 702) and (CO 703 or PY 703) and (CO 704 or PY 704) and (CO 705 or PY 705) and (CO 710 or PY 710).

**CO 712. Group Process. 3 Hours.**
This course enables students to understand the types of groups, their purpose, development and dynamics, counseling theories, and group counseling methods and skills. Ethical and legal considerations of group counseling are also explored. Students are required to participate in small groups for educational and self-assessment purposes. Prerequisite(s): CO 710.

**CO 715. Advanced Counseling Techniques. 3 Hours.**
This course provides advanced training in the art and technique of counseling, including, but not limited to, solution-focused techniques, motivational interviewing strategies, transference and counter-transference issues, rewards and “hazards” of the profession, counselor self-awareness, and use of the self as a tool in the counseling process. Prerequisite(s): CO 700 and CO 705 and CO 710.

**CO 716. Adventure Therapy in Counseling. 3 Hours.**
This is an introductory course in Adventure Therapy primarily for graduate students in the Counseling programs. The purpose of the course is to introduce students to adventure therapy programs that deal with people with psychological disorders. Students will learn the characteristics of selected disorders and will examine therapeutic adventure strategies that have been designed to work with specific identified populations including children, adolescents, and adults. A section dealing with professional ethics will also be included. Didactic as well as experiential pedagogy will require comfortable clothing and a limited amount of outside the classroom activities.

**CO 721. Assessment in Counseling. 3 Hours.**
This course explores the use of measurement and results in the counseling professions. It offers an understanding of group and individual educational and psychometric theories, statistics and approaches to measurement, as well as techniques for gathering data and information. Concepts of validity, reliability and factors that influence measurement are covered.

**CO 722. Career Development and Counseling. 3 Hours.**
This course provides students an understanding of career development and related life factors. Students study career development theory and decision-making models, procedures for planning and conducting effective job searches, assessment instruments and techniques relevant to career planning and decision-making and the use of career information. Emphasis is placed on understanding the inter-relationships between career development and career decision-making, family, socioeconomic status, leisure, individual interests, and abilities.

**CO 723. Practices in Counseling Young Children and Adolescents. 3 Hours.**
Students will explore the implications of child development for counseling interventions. Participants will review counseling theory and explore developmentally appropriate counseling techniques. The course will also address the physical, emotional and social development of children and adolescents and examine the relationship between development and counseling needs. Emphasis will be given to working with parents and other family members. Prerequisite(s): CO 700 and CO 703 and CO 705 and CO 710.

**CO 799. Topic/. 1 Hour.**
Selected topics are offered centering on the needs and interests of the students and the availability of expert faculty. Enhancing student knowledge and building on past learning in a challenging scientific environment is one of the course’s objectives. Exploring innovation and the edge of knowledge is another endeavor of this course.
CO 801. Marriage and Family Counseling. 3 Hours.
The dynamics of marriage and family relationships are examined. The emphasis is on understanding the structure and function of marriage, the various aspects of the marital relationship, family systems, and ways the counselor may approach marriage and family counseling as a creative, preventative and healing interaction.

CO 805. Addictions Counseling: Treatment and Contemporary Issues. 3 Hours.
Provides an introduction to the theoretical knowledge and clinical skills necessary to provide addictions counseling services in both school and mental health settings. Emphasis is on diagnosis and evidence-based treatment for addictions, problem gambling, and co-occurring disorders. The impact of "stigma" as well as the history and contributions of the recovery movement are explored. Consideration is given to current trends, cultural context and primary prevention resources. Ethical and legal considerations in practice are addressed. Prerequisite(s): CO 700 and CO 710 and CO 705.

CO 810. Human Sexuality. 3 Hours.
An analysis of the anatomical, psychological, and cultural aspects of a wide range of topics in the area of human sexuality is undertaken. Emphasis is on the development of an understanding and appreciation of the role of sexuality throughout the various stages of life. Prerequisite(s): CO 700 and CO 710.

CO 825. Psychopharmacology and Counseling. 3 Hours.
This course is designed to teach the prospective counselor about the history and development of psychopharmacologic agents, the biochemical nature of the central nervous system and its relationship to psychopharmacology. The legitimate use of medications and their importance for treatment are also examined.

CO 826. Cognitive Behavior Therapy. 3 Hours.
This is a survey of the theory and practice of cognitive behavior therapy. Behavioral assessment and treatment of a variety of common clinical problems is studied. Emphasis is placed on more recent cognitive behavior therapy approaches.

CO 827. Crisis Intervention. 3 Hours.
This course provides an understanding of the theory and practice of crisis intervention, short-term crisis, counseling intervention strategies and the social context of therapy in crisis intervention. Prerequisite(s): CO 710.

CO 846. Clinical Diagnosis and Treatment Planning with Adults. 3 Hours.
This course provides a general framework for understanding psychopathology in the adult population and the process of diagnosing and designing treatment plans for mental disorders in adults. Prerequisite(s): CO 700 and CO 702 and CO 703 and CO 704 and CO 705 and CO 710.

CO 867. Clinical Diagnosis and Treatment Plan with Children and Adolescence. 3 Hours.
This course provides a general framework for understanding psychopathology in the child and adolescent population. It also helps students better understand the process of diagnosing and designing treatment plans for mental disorders in children and adolescents. Prerequisite(s): CO 846.

CO 868. Capstone Course. 3 Hours.
Students in the MS in Human Relations program will complete a supervised experience in their area of interest, thesis, or special project that has been pre-approved by the department during the final semester of study.

CO 890. Practicum. 6 Hours.
This course provides practical clinical instruction and experience in counseling for the purpose of developing individual and group counseling skills. These experiences are similar to what a professional counselor would be expected to perform and enhance the internship experience.

CO 891. Counseling Internship I. 3 Hours.
This course allows students to apply their theoretical knowledge and practical counseling skills in an actual practice setting under professional supervision. Clinical mental health counseling students will complete required hours in a clinical setting. School counseling students will complete required hours in a school setting. Prerequisite(s): ED 750 or CO 890.

CO 892. Counseling Internship II. 3 Hours.
This course provides for the application of theory and the development of counseling skills through professional practice under supervision in an approved setting. Clinical mental health counseling students will complete required hours in a clinical setting. School counseling students will complete required hours in a school setting. Prerequisite(s): CO 891.

CO 893. Counseling Internship III. 3 Hours.
This course provides for the application of theory and the development of counseling skills through professional practice under supervision in an approved setting. Clinical Mental Health Counseling students will complete required hours in a clinical setting. School Counseling students will complete required hours in a school setting. Prerequisite(s): CO 891 and CO 892.

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Courses

CT 100. Intro to Video Production. 3 Hours.
This course introduces students to the world of video and digital filmmaking. As the world becomes more integrated, the way we receive and consume our information changes each day. Intro to Video Production will be the beginning of understanding this powerful medium and its use. Students receive the basic skills needed to create high end, broadcast quality video, including shooting, non-linear editing, gathering professional audio, continuity, composition and understanding how the workflow is managed.

CT 105. Video Production I. 2 Hours.
The goal of this course is to build a solid foundation of information and skill level for a student interested in video production and digital filmmaking. Video Production I goes beyond basic proficiencies learned through Intro to Video Production or some form of secondary education. It delves further into camera operations and non-linear editing. Students also start to focus on the concept of crafting quality images through the use of light and how to “motivate” video in the editing process. The students are expected to perform a number of practical exams, demonstrating a base knowledge of overall techniques, skills and terminology used by industry professionals.

CT 105L. Video Production I Lab. 3 Hours.
This course is the lab segment for CT 100, Audio I, which introduces sound and psycho-acoustics, the principles of audio consoles and signal routing, and essential technologies such as loudspeakers, microphones, and signal processing. Across the course students develop a vocabulary of common audio definitions, concepts, and career options. Lab work includes mixing and signal flow exercises.

CT 110. Audio I - Intro to Audio Technology. 3 Hours.
Surveying the fundamental concepts of audio production, Audio I introduces sound and psycho-acoustics, the principles of audio consoles and signal routing, and essential technologies such as loudspeakers, microphones, and signal processing. Throughout the course students develop a vocabulary of common audio definitions, concepts, and career options. Lab work includes mixing and signal flow exercises.

CT 110L. Audio I - Intro to Audio Technology Lab. 2 Hours.
This course is the lab segment for CT 110, Audio I, which introduces sound and psycho-acoustics, the principles of audio consoles and signal routing, and essential technologies such as loudspeakers, microphones, and signal processing. Across the course students develop a vocabulary of common audio definitions, concepts, and career options. Lab work includes mixing and signal flow exercises.

CT 111. Music Structure and Style for Audio. 3 Hours.
This course fosters and appreciation of various musical genres and their typical forms, stylistic components, and instrumentation. Through regular music listening and analysis, students develop their abilities to communicate in professional music environments. Emphasis is made on critical listening skills that highlight the recording and mixing techniques common in music production.
CT 114. The Design of Cinema. 3 Hours.
This course examines the many decisions that go into designing a film. Students will investigate the different styles and use of graphic elements, editing, sound, lighting, camera movement and how they construct the overall cinematic mise en scene. Critical analysis of the mise en scene is undertaken using many different genres of film as the subject. Different multi-cultural films spanning the range of realism to formalism will be explored using in-class screenings and examples. A survey of the evolution of filmmaking will be examined by tracing the history from its origins to present day. Prerequisite(s): EH 123.

CT 115. Audio II - Multitrack Recording & Mixing. 3 Hours.
In CT 115, students expand their audio knowledge and experience through classroom studies and hands-on recording and mixing. Lecture instruction continues the survey begun in Audio I, investigating audio fundamentals, signal flow, common recording technologies, and studio operation procedures. In the lab, students learn microphone, console, and session management techniques through the recording of live performers. In personal labs, students hone mixing and recording skills through weekly practice. Prerequisite(s): CT 110.

CT 115L. Audio II - Multitrack Recording & Mixing Lab. 2 Hours.
This is the lab portion of CT 115 - Audio II. In the lab, students learn microphone, console, and session management techniques through the recording of live performers. In personal labs, students hone mix skills through weekly mixing of prerecorded material. Prerequisite(s): CT 110.

CT 121. Computer Applications for Digital Media. 3 Hours.
This introductory course provides an overview of computer fundamentals, the Internet and networks, file compression concepts, digital media applications, and digital file organization and management techniques. Students experience various software tools relevant to the communications industry including imaging, publishing, audio, video, web, presentation and cloud-based collaboration and learning systems.

CT 135. Scriptwriting. 3 Hours.
Every great project starts with a concept which needs to be molded into a script. This course will start at the beginning of story development to examine the classical narrative paradigm used in the majority of both independent and Hollywood filmmaking. There is a strong focus on standardized script formatting, story structure, character development, story arcs, and scene analysis. Students will use industry standard software to cultivate an original concept that they design throughout the stages of story development into a finished screenplay that a production team could then schedule, budget, shoot, and edit a completed film.

CT 150. Intro to Live Sound. 3 Hours.
This course introduces the concepts and practices of live sound engineering. In the lab, students learn analog console functionality and how to properly set up a system for a live event. In the lecture, students receive a survey of live sound essentials, including console operation and gain structure, microphone usage, electrical fundamentals, monitor engineering, and the basics of system design. Prerequisite(s): CT 110.

CT 150L. Intro to Live Sound Lab. 2 Hours.
This course introduces the concepts and practices of live sound engineering. In the lab, students learn analog console functionality and how to properly set up a system for a live event. In the lecture, students receive a survey of live sound essentials, including console operation and gain structure, microphone usage, electrical fundamentals, monitor engineering, and the basics of system design. Prerequisite(s): CT 110.

CT 201. WebMedia Imaging. 3 Hours.
This course introduces students to the visual design of websites and web applications. Topics include composition, color, typography, information architecture, prototyping, user experience and software tools. Students will also explore the creation and application of other web-related graphics such as photos, icons, logos, display ads, and various user interface elements.

CT 202. Web Design for Non-Majors. 3 Hours.
This course provides students with a broad overview of all aspects of the web including graphic design, content development, web development, usability, marketing, and social media.

CT 205. Video Production II. 2 Hours.
In today’s visually charged environment there are many new and exciting avenues in video production and digital filmmaking. This course continues to explore video production and digital filmmaking and the differences in producing content for them. Whether creating for the Internet, an IPod, a Blu-Ray presentation, or for a broadcast facility, learning what to gather and how to use it is essential for the industry. Expect many challenging projects, as students are asked to use video and audio to tell a complete story. Video II students learn how to control, layer, and convert light, students also learn how to use the camera to illustrate an idea in the form of moving pictures, and do so in a tapeless environment. Prerequisite(s): CT 105 and CT105L.

CT 205L. Video Production II Lab. 3 Hours.
This lab reinforces a number of key concepts explored through coursework. Video II students learn how to control, layer, and convert light. Students also learn how to use the camera to illustrate an idea in the form of moving pictures, and how to do so in a tapeless environment. Prerequisite(s): CT 105 and CT105L.

CT 207. Web Design - Content Layer. 3 Hours.
This introductory course offers students the experience of planning, designing, developing, and deploying a basic website using the latest tools and methods available. It focuses primarily on hypertext markup language (HTML), is the first layer in the separation of concerns for building a rich user experience on the Web and lays the necessary foundation for subsequent courses in Web Design & Development. Additional technology topics include Internet fundamentals, CSS, scripting, graphic creation, and basic page layout and interface design.

CT 208. History of American Music. 3 Hours.
This is a traditional music appreciation course, with a few twists, such as ear training (hearing music in new ways), and exploring song form. Students will delve into the origins and development of pop music from the early 1800s until 1970. Class sessions will range from guided and critical listening to live demonstrations, lectures, DVDs, musical and lyrical analysis. Students will engage in dialogue about the societal, economic, cultural, and racial issues that impacted popular music in America, and how pop music itself impacted American culture.

CT 209. Web Design - Presentation Layer. 3 Hours.
This is an intermediate course offering the student the experience of planning, designing, developing, and deploying professional websites using the latest tools and methods available to the professional web designer/developer. Expanding on Web Design - Content Layer, this course focuses on cascading style sheets (CSS) and the second layer in the separation of concerns for building a rich user experience on the Web. Students explore in more detail what constitutes a functional and visually appealing user interface as well introducing some techniques for rapid web development. Additional technology topics include introductions to server-side scripting with PHP and client-side scripting with JavaScript frameworks and libraries. Prerequisite(s): CT 207.
CT 211. Search Engine Marketing. 3 Hours.
Search Engine Marketing provides students with a fundamental understanding of website promotion from both the marketing and technical perspectives. In addition to learning web analytics students will understand how search engines work and rank, and learn all aspects of search engine optimization. This course will also explore the future of search and the semantic web. Prerequisite(s): CT 220 or BA 321.

CT 213. Pro Tools I. 3 Hours.
Pro Tools I offers an introduction to the most widely used application for music and post production in the world today. The course provides the foundational skills necessary for basic recording, mixing and editing within the Pro Tools environment. Students learn file structure, edit functions, time code and ruler views, session configuration, recording and managing audio, importing audio and QuickTime movie files, MIDI basics, software based mixing, virtual instruments, region groups, looping audio, and the use of plug-ins. Prerequisite(s): CT 110.

CT 215. Music Production & Theory. 3 Hours.
This course helps students achieve an understanding of the ideas and principles behind the theory and the structure of music. Harmony, melody, rhythm, and form are explored, coupled with theory and ear training exercises, and composition projects. Prerequisite(s): CT 213.

CT 220. Critical Listening. 3 Hours.
Critical Listening instructs students to discern, measure, analyze, and discuss sound more accurately. Varied topics include anatomy and physiology of the ear, acoustics, audio data compression, and musical form and arrangement. Regular ear training exercises improve listening skills. Prerequisite(s): CT 213.

CT 223. User Experience and Interaction Design. 3 Hours.
This course explores a range of topics related to general usability as well as human-computer interaction including user experience, interaction design, user-centered design, information architecture, and evaluation and testing. Prerequisite(s): CT 207.

CT 224. TV Studio/Remote Production I. 2 Hours.
In this course, taught through lecture and hands-on experience, students learn how to organize and execute live productions inside the Television Studio and with NESCom’s 32-foot Digital Remote Production Unit, integrating the principles of content pre-planning and technical workflow to allow for a cohesive product from many different individuals. With a heavy focus on technical skills, this class teaches team work and communication in a live environment. This avenue of video distribution offers challenges and rewards whether students are in the field televising a football game or behind the switcher for a newscast. Prerequisite(s): CT 105 and CT 105L.

CT 224L. TV Studio/Remote Production I Lab. 3 Hours.
This lab reinforces lectures through hands-on experience. Students learn how to organize and execute live productions inside the Television Studio and with NESCom’s 32-foot Digital Remote Production Unit, integrating the principles of content pre-planning and technical workflow to allow for a cohesive product from many different individuals. With a heavy focus on technical skills, this class teaches teamwork and communication in a live environment. Prerequisite(s): CT 105 and CT 105L.

CT 225. Audio III. 3 Hours.
In the lecture, Audio III focuses on advanced audio theory including phase, acoustics, electricity fundamentals, and concerns in the design and interconnection of audio equipment. In the lab, students perform weekly music and post-production mixes, building technical and listening skills. Also in the lab, a culminating cartoon project applies learned mix and recording skills in a complex post-production project. Prerequisite(s): CT 115 and CT 220.

CT 225L. Audio III - Lab. 2 Hours.
In the lecture, Audio III focuses on advanced audio theory including phase, acoustics, electricity fundamentals, and concerns in the design and interconnection of audio equipment. In the lab, students perform weekly music and post-production mixes, building technical and listening skills. Also in the lab, a culminating cartoon project applies learned mix and recording skills in a complex post-production project. Prerequisite(s): CT 115 and CT 220.

CT 220. Principles of Effective Recording. 3 Hours.
This course focuses primarily on recording in music and post-production environments. Concepts covered include advanced instruction in signal flow, microphone choice and technique, preamplifier options, equalization and compression uses, and recording software. Regular recording of performance groups ensure that students have a full understanding of the tracking process. Students hone session management, communication, and record keeping skills to ensure an enjoyable studio experience for all and a quality final product. Prerequisite(s): CT 115 and CT 220.

CT 230. Principles of Effective Recording Lab. 2 Hours.
The lab portion of Principles of Effective Recording reinforces concepts learned in the classroom and serves to complement CT225. Regular recording of performance groups ensure that students have a full understanding of the tracking process. Through the lab, students hone session management, communication, and record keeping skills to ensure an enjoyable studio experience for all and a quality final product. Prerequisite(s): CT 213 and CT 220.

CT 234. Advanced Lighting for Digital Filmmaking. 3 Hours.
This course is designed to closely examine the characteristics of light and how it can be used to enhance every aspect of digital filmmaking acquisition. Using a wide array of industry standard fixtures, students learn techniques that will allow them to transform the two-dimensional world of video and present it as a rich textured image, ideal for today’s high definition experience. This intense project-based course challenges students to apply critical viewing talents as they further develop the necessary skills required to enter the world of digital filmmaking. Prerequisite(s): CT 205.

CT 239. Electronic News Gathering (ENG). 3 Hours.
This course prepares students for the creative undertaking of photojournalism. Students are expected to utilize equipment to capture and portray assigned stories taking place around campus and the surrounding communities. Participants hone their skills in shooting professional video, lighting various locations, and sharpening interviewing skills. Consistent with the expectations of the industry, students are expected to produce at a high level, and meet pressing deadlines. Prerequisite(s): CT 105.

CT 243. Video Compositing & Motion Graphics. 3 Hours.
This course provides an overview of current software programs used to create motion graphics for various digital media productions. Students learn the skills to composite video and still graphics in after effects and motion, using color, space, keyframes and design in this project-based course that guides them towards creative awareness of animated graphic presentations in a 2D and 3D world. Prerequisite(s): CT 105 and CT 141.

CT 245. Digital Photography I. 3 Hours.
This course introduces photography theory and practice. Through lecture and hands on labs, students are given the basic understanding of how to operate a still SLR digital camera. Students learn the terminology, camera operation techniques, and the importance of good composition, lens selection, flash and natural lighting. Basic image manipulation using Photoshop and printmaking will also be covered in this course.
CT 248. Filmmaking Pre-production. 3 Hours.
This course covers the process of producing your project and the tasks a producer can be expected to perform. Students will learn location surveying, scripts writing and analysis, storyboard, camera charts, budgeting, and client communication; skills that are needed for format planning and media organization so as to maximize your potential and that of your crew. The course will examine a range of issues that effect the independent producer, including studio affiliation, independent financing, and project proposals.

CT 250. Live Sound II. 3 Hours.
Live II continues to build sound reinforcement knowledge and skills through study and hands on experience. Lecture and lab topics include microphones, monitor engineering, wireless audio technologies, and live sound for musical theater. Extensive participation in performance events is required, including concerts, video productions, sporting events, and variety shows. Prerequisite(s): CT 150.

CT 250L. Live Sound II Lab. 3 Hours.
The lab portion of Live II reinforces knowledge and skills through hands on experience. Extensive participation in performance events is required, including concerts, video productions, sporting events, and variety shows. Prerequisite(s): CT 150.

CT 260. Live Sound III. 4 Hours.
Expanding on the essentials introduced in earlier courses, Live 3 investigates the complicated technical concepts behind sound system design and operation. Electrical fundamentals, including Ohm’s Law, impedance issues, power distribution, grounding, and cabling are introduced in a practical manner, laying the groundwork for later courses such as CT 352 (Sound Reinforcement & Speaker Systems) and CT 404 (Stage Wiring & Electronic Troubleshooting). Other activities include weekly ear training and continued involvement in NESCom Live Sound events. Prerequisite(s): CT 250.

CT 299. Topic/. 1 Hour.
This course listing is intended to provide the opportunity for faculty to offer courses of interest in Communications Technology that would not normally be part of the University curriculum.

CT 305. Web Design - Workflow Management. 3 Hours.
This is an advanced course offering students the experience of planning, designing, developing and deploying professional websites using the latest tools and methods available to the professional web designer/developer. In addition to expanding upon topics covered in previous courses, Web Design - Workflow Management will explore emerging topics and technologies in the field of web design and development. Students will have the opportunity to bring together all of the skills learned in their WebMedia studies so as to create several major website projects for outside clients. Students will be expected to participate in all phases of web project workflow including requirements definition and project planning, through design, development, quality assurance, deployment and support. Prerequisite(s): CT 209.

CT 307. Web Development I. 3 Hours.
This course is an intermediate course offering the student the experience of planning, designing, developing and deploying a client-side web application utilizing JavaScript and jQuery. Students taking this course must have successfully completed Web Design - Behavior Layer. Prerequisite(s): CT 209.

CT 309. Web Development II. 3 Hours.
This course is an intermediate course offering the student the experience of planning, designing, developing and deploying a server-side web application utilizing PHP and MySQL. Students taking this course must have successfully completed Web Design - Behavior Layer. Prerequisite(s): CT 307.

CT 311. Interactive Web Design I. 3 Hours.
This course introduces students to Adobe Flash, a common platform for the development of interactive multimedia content for the web as well as rich internet applications, mobile applications and games. In addition to learning the Flash interface and various animation techniques students will also learn programming skills using Action Script, Flash’s internal scripting language. Prerequisite(s): CT 121.

CT 312. Pro Tools II Post. 3 Hours.
This course builds intermediate Pro Tools skills as necessary in audio post production. Students learn the components of a TDM system, advanced mixing and editing options, the use of alternate production tools, time operations, alignment techniques, writing and editing automation, recording and comping multiple takes, elastic audio, virtual instruments, MIDI, and beat detective. Students complete hands-on projects involving editing and mixing audio for video in the Pro Tools environment. Prerequisite(s): CT 225 and CT 230.

CT 313. Pro Tools II Music. 3 Hours.
This course builds intermediate Pro Tools skills utilized in music production. Students learn the components of a TDM system, advanced mixing and editing options, the use of alternate production tools, time operations, alignment techniques, writing and editing automation, recording and comping multiple takes, plug-ins such as Auto Tune, virtual instruments, MIDI, and beat detective. Students complete hands-on projects involving recording and mixing music in the Pro Tools environment. Prerequisite(s): CT 225 and CT 230.

CT 314. Business of Music. 3 Hours.
Business of Music surveys the changing landscape of the modern music industry. The course investigates the business organizations involved in the record and concert industries such as record labels, production companies, radio stations, recording studios, concert venues, and independent engineers and producers. Various topics outline paths of revenue, career options, recording contracts, and copyright issues. Special attention is made toward developing business skills critical for success in this highly competitive field.

CT 315. Digital Cinematography. 3 Hours.
Through various exercises, students learn how film and television productions utilize digital cinematography techniques with different types of cameras. Students will explore and evaluate digital image capture from an artistic as well as technical standpoint, and learn to implement image capture techniques in response to a variety of settings. Topics range from determining exposure latitude, lens selection, camera selection, lighting choices, and lighting styles. Prerequisite(s): CT 234 and CT 248.

CT 322. Advanced Editing for Digital Filmmaking. 3 Hours.
This course instructs students in the art of integrating video, graphics, and music into one final seamless product. Students will learn about codecs, formats, file structure, and distribution. The class covers how to import, edit, and tie content together so that a cohesive product can be exported for a variety of multimedia platforms. Color correction, motion graphics and advanced filtering are just a few of the skills used to enhance the video. This course has high expectations and challenges students to perform at an elevated level through the creative use of industry standard tools. Prerequisite(s): CT 212 and CT 224 and CT 243.
CT 325. TV Studio/Remote Production II. 6 Hours.
The skills acquired in CT 224 lay the foundation for this challenging course. Students focus on all aspects of managing live remote productions. Mastering system integration and crew management affords students certain opportunities usually reserved for seasoned professionals. Producing live events with industry standard equipment such as Grass Valley Switchers and EVS (Elsys) replay systems, successful students are prepared to enter the world of professional remote broadcasts. NESCom’s strategic partnerships with industry broadcasters allow students to gain valuable on-air experience and form beneficial contacts. This demanding course requires strong interpersonal skills and a significant time commitment. Prerequisite(s): CT 224 and CT 322.

CT 330. Communications Technology Internship. 3-9 Hours.
This experiential course is a supervised work experience with participating employers for Communications Technology students. It provides for the application of classroom learning in a professional work environment. Prerequisite(s): (Major=BS Communications Technology - Audio Engineering or Major=BS Communications Technology - Live Sound Tech or Major=BS Communications Technology - Video Production or Major=BS Communications Technology - WebMedia) and College Level=Junior.

CT 331. Web Design Behavior Layer. 3 Hours.
This is an intermediate course which focuses primarily on JavaScript and the third layer in the separation of concerns for building a rich user experience on the Web. Students learn programming skills for scripting client-side functionality into web design and development projects. Additional technology topics include JavaScript frameworks and libraries and AJAX. Prerequisite(s): CT 207.

CT 335. Electronic Music Technology. 3 Hours.
The course covers the practices and principles of analog and digital sound synthesis, sequencing, sampling, and MIDI. Use of both hardware and software devices are employed and students learn techniques to create music tracks with various controllers and synthesized instruments. Electronic Music Technology also includes an overview of industry and technology innovators, an introduction to sound design methods and applications, and a survey of electronic musical equipment commonly found in internship and employment scenarios. Prerequisite(s): CT 225 and CT 230 and CT 215.

CT 336. Sound Design for Film, Gaming & Other Media. 3 Hours.
This course introduces students to envisioning and producing sounds for visual media, including film, television, computer-based animation, websites, and games. Applications involve creating and refining cut effects, ambiences, sound iconography, and an introduction to Foley effects. The course will focus on the practices and skills required to utilize computer-based post-production software and will prepare students for the role of sound designer and to work under a supervising sound editor.

CT 338. Camera in Motion. 3 Hours.
Having set a foundation of solid production skills in the first few video based courses, students are now ready to go one step further and put their camera into motion. Much of the work done up until now has been based on compositing non-moving shots. That changes as CT 236 introduces all of the industry standard tools for moving your camera, characters, and action through a scene. Students will learn how to operate Dolly systems, StediCams, jib/cranes, slider systems, and more importantly, you will learn why you use them in your production work. Students’ cinematography will have a new sense of professionalism as the camera comes alive in this platforms-based course. Prerequisite(s): CT 205 and CT 234.

CT 340. Introduction to Post Production, Audio & Video. 3 Hours.
Students seeking to enter the field of audio post production need to be exposed to and be able to assist with its visual side. This course will explore the fundamentals of editing video and combine it with the audio portion of their work. From file management to compression schemes and from editing on a timeline to distribution methods, students will look at the various factions of video, including commercials, films, live productions, and television shows. The course will also look at how the pieces of audio post production work with these variations of video, with a snapshot of Foley work, ADR, SFX mixing, and surround sound editing. Prerequisite(s): CT 225 and CT 230.

CT 342. Video Compositing and Motion Graphics II. 3 Hours.
This course is designed to enable students to composite footage shot with a video camera with assets created in a 3D modeler or 2D graphics program. Students will learn techniques of motion tracking, rotoscoping, advanced virtual camera movement, and photogrammetry in order to create realistic composites and special effects. Students will also expand their knowledge of programs such as Photoshop and After Effects and Maxon’s Cinema 4D. The goal of this course is to take previously learned techniques for creating news graphics and expand that skill set for use in digital film making. Prerequisite(s): CT 105 and CT 141 and CT 243.

CT 345. Digital Photography II. 3 Hours.
This intermediate level photography is a continuation of CT 245. Through lecture and hands on labs, students will learn about raw acquisition, picture style settings, handheld light meters, strobes, wireless triggers, types of lights and lighting set-ups. Styles of photography to be covered will be photojournalism, sports, portrait, and commercial. Intermediate image manipulation using Photoshop and printmaking will also be covered in this course. Prerequisite(s): CT 245.

CT 351. Digital Audio for Live Sound. 3 Hours.
In this course students receive hands-on training on multiple sound reinforcement consoles. A survey of broadcast mixing fundamentals is also included, as well as required participation in multiple events as a mix, monitor, broadcast, or recording engineer. Prerequisite(s): CT 260 and CT 213.

CT 351L. Event Practicum. 1 Hour.
This practicum provides experience that supplements and reinforces the learning and undertakings of CT 351, Digital Audio for Live Sound. Prerequisite(s): CT 260 and CT 213.

CT 352. Sound Reinforcement and Speaker Systems. 3 Hours.
This course focuses upon sound system design and optimization. Processing, amplifiers, loudspeakers, and system analysis tools are all investigated in detail. Special attention is paid to system optimization, including impedance, phase, and coverage concerns. Prerequisite(s): CT 260.

CT 353. Narrative Directing. 3 Hours.
This course fosters an appreciation of the many hats worn by directors as they guide productions to the finished product. At any given time, directors may be expected to adapt a written manuscript into a visual form, shape acting and set the scene from shot to shot. Directing also involves working with crew members to keep the flow of the story consistent through numerous takes. Prerequisite(s): CT 315.
CT 357. 3D Animation. 3 Hours.
Students in 3D Animation learn industry standard software being used today to create video games, television shows and major motion pictures around the world. Blender allows for the design and rendering of high end imagery, whether it is integrated with live action video or used as stand alone animation. Using the basic skills of three-dimensional work - modeling, layout, and animation - students create vivid atmospheres and physically simulate models through these environments. Prerequisite(s): CT 311.

CT 404. Stage Wiring & Electronic Troubleshooting. 3 Hours.
This course introduces the various technologies found in a live concert, theatrical performance, or broadcast event. Topics include workplace safety, troubleshooting, electricity, frequency considerations in wiring, Ohm’s law, ground loops, and intercoms. Projects include soldering, cable construction, and building at least one electronic test equipment project. Prerequisite(s): CT 230 and (CT 260 or CT 225).

CT 405. Mobile Application Development. 3 Hours.
This is an advanced course offering the student the experience of planning, designing, developing and deploying professional mobile applications for iOS and Android using the latest tools and methods available to the professional app designer/developer. Students will have the opportunity to bring together all of the skills learned in their WebMedia studies to create a deployable mobile application ready for submission to Apple and Google and potentially other platforms as well. Prerequisite(s): CT 231 and CT 461.

CT 409. e-Commerce Development. 3 Hours.
This is an advanced course offering the student the experience of planning, designing, developing and deploying secure professional e-commerce websites using the latest tools and methods available to the professional app designer/developer. Students will have the opportunity to bring together all of the skills learned in their WebMedia studies to create a deployable mobile application ready for submission to Apple and Google and potentially other platforms as well. Prerequisite(s): CT 231 and CT 461.

CT 411. Interactive Web Design II. 3 Hours.
This course continues the examination of interactive content for the web by exploring different strategies and technologies for designing, developing and deploying such content. Prerequisite(s): CT 231.

CT 415. WebMedia Senior Project. 3 Hours.
WebMedia Senior Project is an advanced course offering the student the experience of planning, designing, developing and deploying a professional rich Internet application leveraging all of the skills and techniques learned in previous courses.

CT 416. Fundamentals of Audio Post. 3 Hours.
This course offers foundation level training in audio post-production for TV, film, and other media. Processes such as dialogue editing, ADR, sound effects editing and design, Foley recording, music editing and mixing (re-recording) are investigated in lecture and practiced through personal lab projects. Prerequisite(s): CT 225 and CT 230.

CT 417. Advanced Audio Engineering. 3 Hours.
This course instructs students in advanced music production procedures including the setup and use of the API Vision for tracking and mix sessions, recording and mix techniques, troubleshooting in the studio, working with producers and artists, use of software to edit recorded performances, and mastering. Prerequisite(s): CT 225 and CT 230.

CT 419. Live Sound Mixing. 3 Hours.
In this course, students explore the duties of the mix engineer such as advancing a show, system calibration, and mixing. Additional topics include transducer selection, design of event-appropriate systems, advanced monitor engineering, and system optimization. With a special emphasis on show flow and technique, students mix pre-recorded material in weekly labs. Students also learn aesthetics issues such as loudness, mix musicality, and stylistic appropriateness. Other course activities include reading and writing assignments, advanced ear training, an introduction to event management, and participation in NESCom events as mix engineers and event leads. Prerequisite(s): CT 351 and CT 352.

CT 419L. Live Sound Event Practicum. 1 Hour.
This practicum provides experience that supplements and reinforces the learning and undertakings of CT 419, Live Sound Mixing. Prerequisite(s): CT 351 and CT 352.

CT 429. Advanced Audio Post. 4 Hours.
In Advanced Audio Post students gain further experience in the production of audio for visual medias. Students complete extensive projects and receive significant studio time to record, edit, and mix sound effects, Foley, dialogue, and music.

CT 430. Live Performance Production. 3 Hours.
As a capstone course, Live Performance Production puts graduating students’ knowledge to test. Functioning as Event Leads, students individually advance and manage multiple NESCom events. Development of professional skills is central to the course, including personal organization, time management, interpersonal communication, and troubleshooting. Expansion of mixing skills is also present in the course, through mix labs and event participation. Also present is independent, group, and class study of specific live audio technologies. Prerequisite(s): CT 419.

CT 430L. Live Performance Production Event Practicum. 1 Hour.
This practicum provides an event environment with which to implement knowledge and skills obtained from the capstone course. Prerequisite(s): CT 419.

CT 431. Advanced Music Production. 4 Hours.
As the capstone course in the Music Production curriculum, students have the opportunity to put learned skills to use by recording, mixing and mastering a complete musical project. Students are responsible for selecting an artist, helping them prepare and record their material, then mix, master, and deliver results in a production-ready package. Students receive significant studio time to complete the project to the satisfaction of both the artist and faculty advisor. Prerequisite(s): CT 417 and College Level=Senior.

CT 441. Video Workshop. 5 Hours.
In Video Workshop the class works with the instructor to select an interesting and challenging long format project for a client and then creates a finished product that is of broadcast quality. Projects completed in prior semesters have been distributed nationally. Students produce, script, shoot and edit all aspects of the selected project and then assist in its mass production and distribution. This course ultimately provides students with a competitive advantage in the market. Due to the nature of this course, there are high expectations for students since their work represent NESCom. It is taken by permission only from the Department Head and Curriculum Coordinator. Prerequisite(s): CT 322 and CT 338.
CT 461. Web Applications I. 3 Hours.
Web Applications I is an intermediate course offering the student the experience of planning, designing, developing and deploying professional rich Internet applications on the LAMP platform (Linux, Apache, MySQL, and PHP), utilizing existing development frameworks such as CakePHP, Ruby on Rails, and Zend. Prerequisite(s): CT 231.

CT 471. Web Applications II. 3 Hours.
This is an advanced course offering the student the experience of planning, designing, developing and deploying professional rich Internet applications on the LAMP platform (Linux, Apache, MySQL, and PHP), utilizing development frameworks such as CakePHP, Ruby on Rails, and Zend. Students taking this course must have successfully completed Web Applications I. Prerequisite(s): CT 461.

CT 499. Topic/. 1-3 Hour.
This course listing is intended to provide the opportunity for faculty to offer advanced courses of interest in Communications Technology that would not normally be part of the University curriculum.

DA (DA)

Courses
DA 449. Data Analytics Internship. 3 Hours.
This course offers experiences in a work and/or research environment collecting, processing, analyzing, and/or interpreting data. Each student chooses and contacts a partner institution (business, research lab, nonprofit, or governmental agency) to serve a total of 100 hours in that setting. Activities will include training/orientation, work on projects relevant to the mission of the institution, observation of institutional work processes, and other assigned work by the site liaison. Students keep daily journals and meet weekly during the semester for training and to share their experiences. Prerequisite(s): Major=BS Data Analytics and (College Level=Junior or College Level=Senior).

DA 489. Data Analytics Capstone. 6 Hours.
This course serves as the capstone project for data analytics majors in the School of Science & Humanities. The course provides experiential learning relevant to the student’s area of study. During the course, students will meet periodically with their faculty advisor to plan their progress through the project. At the end of the semester, students will present the final results of their research or a summary of their experience in the form of a final oral presentation and a written thesis. Prerequisite(s): Major=BS Data Analytics and (College Level=Junior or College Level=Senior).

ED (ED)

Courses
ED 201. Phil Foundations of Education. 3 Hours.
An integral component for all education majors, this course is designed to provide a basic understanding of the rewarding, yet challenging, teaching profession. Students broadly explore an overview of the educational field and its philosophical, political, legal, and social foundations. Current issues impacting education in a changing society will be examined. Coursework is intended to stimulate thoughtful reflection as students use information to develop their own beliefs concerning educational issues. Education Students will complete their first 30 hour clinical (ED 203) as part of this course. Students in other majors are not required to complete the Clinical Experience.

ED 202. Methods of Teaching Outdoor and Adventure Education. 3 Hours.
The course is designed to expose students to a variety of outdoor experiences with an emphasis on student participation in the activities. Students will also explore ways to incorporate outdoor in a variety of educational settings. Mastery of certain skills and the methodology employed in presenting these skills will be central to the course. Examples of the types of activities that may be covered through the course include canoeing, hiking, mountain biking, orienteering, camping skills, outdoor games, and an introduction to winter sports.

ED 203. Clinical Experience. 0 Hours.
All Education students are required to complete one 30 clock-hour block of a non-credit clinical observation experience in K-12 schools. This experience is completed as part of ED 201 Philosophical Foundations of Education and is designed to allow students to better understand the profession by observing experienced teachers in classroom settings. Through this experience, future educators will gain an appreciation of what happens “behind the scenes” in schools and other professional settings. Prerequisite(s): ED 201.

ED 204. Classroom Management. 3 Hours.
This course is designed to explore classroom management practices in educational settings. The course is taken concurrently with an education practicum so students will be able to observe and implement the techniques of practicing teachers in the areas of behavior modification, social skills training, and classroom management structures.

ED 208. Skills Activities. 3 Hours.
This course explores the application of learning and performance of motor skills in a variety of activities. Dance, racquet sports, aquatics and track/field will be participatory and allow students to gain experiential opportunities with instruction, drill progression, strategies, equipment and facility preparation and reflection. Instructor and peer feedback will enhance this class, and allow tactical decision-making competencies.

ED 213. Curriculum and Evaluation in Health and Physical Education. 3 Hours.
This course introduces Health and Physical Education majors to curriculum design and policy. Students will explore how to create, design, organize and evaluate a K-12 Health or Physical Education curriculum. Students will also learn how such a curriculum would be implemented and be expected to relate how a curriculum map ensures that all appropriate Maine Learning Results and grade level competencies are included. This course addresses multiple outcomes relating to the curriculum found in InTASC.

ED 215. Teaching Elementary Health Education. 3 Hours.
This course covers the foundation for healthy habits and active lifestyles which are introduced and reinforced during the K-8 experience. Topics that build both self-esteem and character, along with experiential health and physical activities will be examined. The American Association for Health Education and the Maine Learning Results will be used in conjunction with curriculum guides as students design lessons and units in health education.

ED 222. Personal Health & Fitness. 3 Hours.
This course is designed to introduce the health and physical education student to a core of competencies to employ at the K-12 teaching levels. Several health topics will be covered including personal fitness, mental health, stress management, nutrition and diet, tobacco, and cardiovascular disease, as well as a variety of fitness and healthy experiences with an emphasis on actual participation in the activities.
ED 223. PE/Health Practicum I. 1 Hour.
The Practicum courses are one credit offerings designed to provide field experience for students enrolled in the three ED methods courses associated with their major. They are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement, most often within a school, secured by the clinical placement supervisor. This course is taken by physical education majors concurrently with ED 446. Prerequisite(s): ED 203.

ED 231. Curriculum, Instruction, and Assessment. 3 Hours.
This course is designed for students in the elementary/secondary education K – 12 programs. It is a general methods course for assessment, curriculum design, development and methods of instruction. This course focuses on the "what to teach", "how to teach", and "planning the context for teaching and learning" with the goal of providing an integrated approach in instruction. Such an integrated approach involves interventions (accommodations and modifications) in the design of instruction to teach all learners. This course ensures that pre-service teachers gain a broad knowledge in the methods of instruction as well as supporting diversity in the classroom. The course presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Prerequisite(s): ED 201.

ED 240. History and Philosophy of Physical Education. 3 Hours.
This course is an introduction to the philosophical and historical principles of health and physical education. It will include an historical overview of these education disciplines and cover current day principles. This course also offers an opportunity for critical examination of both theory and practice in the professions of health and physical education, wellness, sport and fitness.

ED 243. Team Sports/Tech & Strategies. 3 Hours.
Formal physical education, recreational and camp settings include games and strategies. It is the strategies component that enhances participation. Understanding game strategy promotes application of techniques and skills. Games research has also shown that the more strategy participants understand, the greater the chance of participation and satisfaction (Mitchell, S.). Thus tactical problem solving and teaching strategies will be the points of emphasis within a variety of invasion, net/wall, target, and striking/fielding games. Students will have the opportunity to learn skills, drills, techniques and strategies, and practice planning and teaching sport lessons during class.

ED 302. Adapted and Developmentally-Appropriate Physical Education. 3 Hours.
Adapted and developmentally appropriate physical education programs are the art and science of developing, implementing, and monitoring carefully designed instructional programs to meet the unique needs of individuals. Teaching approaches are both task-specific and developmental in nature and the course is designed to enable teachers to successfully address a range of specific needs in the physical education setting. This course is based on authentic and comprehensive assessments to give participants skills necessary for a lifetime of leisure, recreation, and sport experiences to enhance physical fitness, participation and wellness. Prerequisite(s): ED 201 and ED 213 and (ED 232 or ED 447).

ED 307. Technology in Education. 3 Hours.
This course surveys the history and structure of the field of instructional technology, with an emphasis on integrating as an educational tool. Students will experience creative skills and confidence necessary to use mainstream and emerging hardware and software available in most school settings. Prerequisite(s): ED 204 and ED 231.

ED 310. Educational Practicum I. 1 Hour.
ED 310 Education Practicum is the first classroom experience for university students considering the profession of teaching by spending time in an assigned classroom, students will shift their perspective from that of a student to that of a teacher. This experience is designed, in part, to provide students with the opportunity to interact with a mentor teacher and pupils in a classroom setting. The extent of involvement will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. This course is viewed as a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for participating students. Prerequisite(s): ED 203.

ED 314. Assessment Practices. 3 Hours.
Presents comprehensive and balanced coverage of all aspects of assessment relevant to classroom teachers. Students learn to construct and use paper-and-pencil, alternative, and standardized assessments; analyze objectives; use grading systems; and judge assessment quality.

ED 316. Methods in Science. 3 Hours.
Science education is presented with a constructivist approach. Students become familiar with curricular content, methodology, and instructional planning that stimulates scientific interest and concept formation. Resources for science education will be collected for future. With a constructivist approach in mind, techniques for assessing student inquiry processes are explored. Students also learn ways to use instructional and design technology to enhance lessons. Prerequisite(s): ED 204 and ED 231.

This course offers a hands-on, practical approach that introduces students to a variety of strategies they can directly implement upon entering a position as a 7-12 teacher of science. Concentrating on practical application rather than theoretical implications, students will refine and add to their repertoire of teaching strategies. We will begin by learning how differentiating activities, based upon learning styles and ability, can enhance the learning of each student in a classroom. Students will be engaged in the direct completion of project-based learning in the form of laboratory experiences, lesson building, and cooperative tasks. Direct implementation of current science project-based pedagogy will be the emphasis. Students will apply their understanding of the new methods by creating a series of mini-lessons, typical lessons, and projects that are reflective of their understanding. Teaching science is not just about creating lesson plans and writing labs – it is also about engaging students, maintaining their interested in science and devise a number of ways to motivate them to complete their learning tasks and raise their aspirations. Many classes will begin with sample laboratory experiences and will then progress forward to introduce, explain, and model different methods for instruction, questioning, and assessment; all within the context of product-based inquiry. The course will seek to help pre-service teachers to develop an understanding and appreciation of science. This will hopefully make an impression upon students to acquire knowledge, attitudes, and skills essential to science literacy. Prerequisite(s): ED 231 and ED 204.

ED 318. Teaching Students With Special Needs. 3 Hours.
This course is designed to provide Career and Technical Education (CTE) teachers, educational technicians and teachers-in-training the necessary skills to develop learning environments where all special needs students can be successful. It is built upon the foundations of current legislation, appropriate curricula, assessment modifications and individualized instruction using successful teaching strategies to provide improved levels of success for students with special needs.
ED 319. Methods in Secondary English. 3 Hours.
In this course students learn how to teach reading and writing genres with secondary students. We explore strategies and processes in the English Language Arts while connecting it to literacy across the curriculum. We explore literacy and technology, accommodations and differentiated learning, assessment, selection of literature to serve purposes for reading and writing, issues in the secondary classroom, and models of instruction. We will inquire into certain questions, such as, What methods work best with adolescents? How does technology fit into the classroom? Why is reflection a big deal? How does the English teacher address reading and writing in the content areas? What does being an English teacher mean? You will be both a student in the course, practicing in practices, and a teacher, designing and implementing learning sequences. The course objectives address the Common Core, InTASC, and ISTE NETs standards. Prerequisite(s): ED 204 and ED 231.

ED 320. Education Practicum II. 1 Hour.
Education Practica provide classroom experience for university students thinking of becoming teachers. By spending time in an assigned classroom students will shift their perspective from that of a student to that of a teacher. These experiences should be viewed as pre-student teaching opportunities and are designed, in part, to provide university students with the opportunity to interact with a mentor teacher and students in a classroom setting. The extent of involvement with the mentor teacher will depend on his or her needs, the organization of the classroom, and the stage of development of the practicum student. Practicum students have varied backgrounds and experiences. These strengths and experiences should be utilized to enrich the learning opportunities for the students in the classroom and the practicum student. This program is a shared professional responsibility among teachers, administrators, and Husson faculty to provide a professional classroom experience for university students seeking a career in teaching. Prerequisite(s): ED 203.

ED 321. Educating Exceptional Students. 3 Hours.
Prepares classroom teachers to successfully educate students with disabilities within the regular classroom setting. While the primary focus is to manage the instructional requirements of students with disabilities, the course incorporates the legal and ethical standards for mainstreaming and the roles of parent advocacy and support groups. Additionally, students become familiar with instructional issues represented by students from culturally, ethnically, and socio-economically diverse populations. Course content also explores the importance of enhancing educational opportunities of diverse learners via procedural due process, diagnostic practices, and development of professional and parent collaboration.

ED 322. PE/Health Practicum II. 1 Hour.
The Practicum courses are one credit courses designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 201 and ED 213 and ED 203.

ED 324. Young Adult Literature. 3 Hours.
This course, organized by trends in young adult literature, offers participants an opportunity to learn more about the young adult novel and other genres, how to select appropriate, high-quality books, how to incorporate it into a traditional classic-based classroom, and how to make the reading of young adult novels relevant to students' lives. Through reading, discussing, and writing about books in different genres, students explore issues and trends including appropriateness in the classroom, close reading strategies, issues of diverse audiences and subject matter, the young adult and the canon, and literary theory such as reader response. Participants select books of their interest, read class books, and make connections to readings from the professional literature. The course integrates the Common Core and InTASC standards for teachers. It will help teachers find practical ways to integrate quality young adult novels into their curriculum, integrating teaching of literature and content areas, and making literature more accessible for their students. Prerequisite(s): ED 201.

ED 325. Brain Gym. 3 Hours.
This course provides an introduction to educational kinesiology and an overview of Brain Gym movements. Students will also learn a multi-step implementation process for increasing concentration, participation and problem-solving in the classroom. The highly interactive course design encourages the integration of Brain Gym techniques throughout the learning process.

ED 328. Children's Literature. 3 Hours.
This survey course provides an overview of children's literature, its genres, authors, ideas for instruction and response, criteria of selection, children's development, and the teacher as reader. Students will explore ways to bring children to diverse, contemporary children's literature in the language arts and content areas while at the same time becoming more experienced, insightful, and informed readers of children's literature. Prerequisite(s): ED 201.

ED 330. Substance Abuse and Prevention. 3 Hours.
Society faces abuse challenges as a result of domestic and global sources of addictive substances. This course offers an opportunity for critical examination of both theory and practice as students analyze available data on substances such as nicotine, caffeine, alcohol, over the counter drugs, prescriptive drugs and illegal drugs. Students also examine the role family, friends, education, the media and/or marketing may play in the decision-making process of individuals. Drug prevention programs and rehabilitative programs are reviewed with video input from professionals. Course content is drawn from videos, interviews, research, case analysis, projects and online discussion. These serve as reflective tools to build the student's knowledge.

ED 332. Methods in Teaching Writing in the Schools. 3 Hours.
This course is based on the belief that teachers of writing at any grade level teach with greater understanding when they are active writers themselves and when their writing has a place and function in the world. Participants practice in instruction that draws on research on teaching writing, in assessment of writing, and in the teaching of the writing process approach, constructing conferences, modeling, and writing in the content areas with applications in the classroom. Adapting instruction to the development of writers is included. Participants focus on how they, as teachers, solve problems in writing so they support young writers develop their writing. Strategies of instruction are explored through focused lessons addressing Common Core standards and demonstrated during our sessions. Integration of practicum experience and application of course principles and strategies are expected. Prerequisite(s): ED 204 and ED 231.
ED 350. Teaching Elementary and Secondary Health Education. 3 Hours.
This course can help prepare elementary and secondary level health educators with information, classroom management techniques, instructional strategies and appropriate curriculum, as well as provide opportunities for teaching health lessons to peers with peer feedback. Prerequisite(s): ED 201 and ED 213.

ED 352. Emerging Trends in Career and Technical Education. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 380. Curriculum-based Instruction for the CTE Classroom and Shop. 3 Hours.
This course will focus on brain-based learning, strategies to develop student skills as readers, writers, and thinkers, Quadrant D lesson planning, gradual release of responsibility model, and questioning techniques.

ED 381. Introduction to Effective Classroom Management. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 382. Introduction to CTE Classroom Teaching. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 383. E-Portfolio for Teachers. 3 Hours.
This course is designed to provide the participant an overview of current events, issues, and policies aligned to Career and Technical Education (CTE) from a National, regional, and local perspective. The design of the course will ask students to be reflective about their school, classroom, and personal challenges regarding their involvement in Career and Technical Education.

ED 389. Educational Psychology. 3 Hours.
The course examines the educational perspectives of K-12 students. Students in the course will incorporate the principles of educational psychology in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. Theories, principles, and issues investigated in this course are cognitive, linguistic, personal, social, emotional & moral development, and students with special needs. There will be an in-depth study of how students learn in the areas of cognitive learning process, construction of knowledge, behavior views of learning, social cognitive learning and motivation. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. This is a third year course. Students will demonstrate their understanding by identifying the principles of educational psychology during visits to their assigned schools. Prerequisite(s): PY 111.

ED 404. Methods in Reading and Language Arts 4-8. 3 Hours.
This course explores research-based reading and language arts practices in teaching students in grades four through eight. The course introduces assessment, curriculum, and instructional strategies that can be adapted for intermediate (GR 4-5) and middle school (GR 6-8) students. The course focuses on current methods to teach and assess reading and language arts include vocabulary, inquiry into essential questions, and content specific reading and writing. With the idea that assessment drives instruction, students practice approaches to teaching reading strategies, language experience, and literature-based explicit reading instruction with a focus on socio-cultural influences. Participants practice the assessment and instruction in an interactive environment where teacher is reader. Students develop professional awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 408. Methods in Reading and Language Arts, PK - 3. 3 Hours.
The course introduces students to current, research-based methods in teaching reading and language arts to children in preschool through grade three. Topics include emergent literacy development, balanced literacy, spelling, oral language, writing, speaking, and listening. With the idea that assessment drives instruction, students will practice using and analyzing data from a variety of assessment tools to plan and deliver instruction in reading and the language arts. Students will also explore how language arts are a result of cultural and social experiences. Students will connect methods and theory of reading and ELA with knowledge of genres in children’s literature with a focus in selection of books and integration in instruction. This course is interactive and gives students the opportunity to practice the methods they learn. Students will develop the skills to guide children’s experiences and learning, and develop professional perspective and awareness by becoming acquainted with resources available to teachers. Prerequisite(s): ED 204 and ED 231.

ED 409. Methods in Mathematics. 3 Hours.
This course introduces mathematic concepts and problem solving strategies along with real-world applications. Methods emphasize an active learning process in which children engage in guided discovery and problem solving opportunities. Teachers learn to coach youngsters to reflect on their process to clarify ideas for themselves and to share their thoughts with others. Models of engaged learning scenarios will be developed and discussed. Prerequisite(s): ED 204 and ED 231.

ED 410. Assessment in Health and Physical Education. 3 Hours.
The focus of this course will be on measurement and assessment of achievement. Multiple practice opportunities will be provided in designing and implementing measurement/evaluation methods and tests recognizing that the ultimate purpose is to enhance the decision-making process so improvement can be made (Baumgartner, 2007). Both the classroom and lab will be utilized to implement health and physical education tests and evaluation. Students gain skills using assessments within physical education and health education content. Tools for assessing the levels of competency are utilized at each elementary and secondary grade level. Teacher preparation students will apply these assessment tools to current programs.

ED 411. CTE Assessment I. 3 Hours.
This course will provide an introduction to the use of formative, summative and diagnostic assessments. Specific topics will include the appropriate use and design of certification tests as well as reading and math assessments.
ED 415. Methods in Social Studies. 3 Hours.
Methods in teaching Social Studies provides students with an overview of the field of Social Studies, selected issues in the field, and best practice strategies for teaching social studies in the K-8 classroom. Students will identify important social studies knowledge, skills, and dispositions; investigate how students learn most effectively; and apply this new learning to lesson/unit design and instruction. Curriculum will be aligned to both national and state standards for both social studies and literacy. Prerequisite(s): ED 204 and ED 231.

ED 419. Mentoring Children and Youth. 3 Hours.
Through experience in this course, students will develop a mentoring relationship with either an elementary or middle school student. Mentoring can be an intense process where a positive, adult role model is matched with a youngster who needs assistance with academic efforts and social/behavior issues. This course will provide insight to many issues that surround a youngster's life. Issues and topics on poverty and education, cross-cultural competencies, tutoring skills, goal setting and violence in schools and society will be addressed.

ED 420. Physical Activity Programming in Youth Development. 3 Hours.
This class will provide a philosophical and practical base for working in youth development programs. This class will discuss the history of youth development programming, the current trends in youth development and the role of physical activity as a tool to better serve youth. This class will focus on programs that serve youth through physical activity, with special emphasis on goals of personal and social responsibility.

ED 421. Evaluating Youth Development Programs. 3 Hours.
Students will become aware of various models for evaluating youth development programs, and become familiar with the rationale and various assumptions for evaluating youth development programs. Students will also understand the various data sources for evaluating youth development programs, and be knowledgeable of the various ways to analyze, interpret, and disseminate data collected in the evaluation process.

ED 422. Educational Studies. 6 Hours.
ED 422 is the capstone experience for education students seeking future employment in a setting other than a traditional classroom. The 90-hour internship is spread over a minimum of twelve weeks and allows students to gain practical experience working with staff, learners, and other members of an agency or organization in a community setting (e.g. municipal recreation departments, public libraries, children’s museums, social service agencies, etc.) During this field experience, students learn about the organization or agency, study the implementation and evaluation of its programming, and design a related project to contribute to the site. The connected on-campus class will provide an opportunity for students to share their experiences and provide peer feedback.

ED 423. PE/Health Practicum III. 1 Hour.
One credit practicum courses are designed to provide field experience for students enrolled in the three ED methods courses associated with their major. These are in the areas of Elementary, Secondary and Adaptive PE/Health. In most cases, the field experience will be chosen to coincide with the methods course in which the student is enrolled. The student will log at least 30 hours in a placement secured by the clinical placement supervisor. In most cases, this will be a school setting. Students will be responsible for arranging their own schedule with their cooperating teacher. The hours logged should be recorded over a period of 10-12 weeks and should be on a regular schedule. In addition to the hours recorded in the placement, students will be expected to attend 3-4 meetings with the field supervisor and/or placement supervisor during the course of the semester. Prerequisite(s): ED 203.

ED 430. Educational Practicum III. 1 Hour.
Education practica provide classroom experiences for future teachers. These experiences are designed, in part, to provide students with the opportunity to interact with a mentor teacher (MT) and pupils in the classroom setting. The extent of involvement with an MT will depend on the needs of the teacher, the organization of the classroom, and the stage of development of the practicum student. Strengths and experiences gained from practica should enrich the learning in the classroom. Prerequisite(s): ED 203.

ED 440. Disease Prevention & Health Promotion. 3 Hours.
In this course, core competencies regarding disease prevention and health promotion will be obtained, practiced and employed. Students will build upon personal health and wellness skills, and incorporate diverse perspectives in designing and implementing a Health Promotion program.

ED 441. Community Health. 3 Hours.
Community Health encompasses the topics of public health issues, policies and community health services across the lifespan. Students also study global health issues, community health issues and the impact of environment, geographic location and socio-economic status on human health, as well as public policies and health services. In this course, students will research and present a community health education and picture project.

ED 444. Individual Sports & Lifetime Activities. 3 Hours.
This course is designed to provide an informational and experiential overview of pursuits that may be classified as individual sports and lifetime activities. Attention will be paid to what place these activities may have in schools, recreational programs and other programs associated with youth development and learning. The role of lifetime fitness and health will be discussed and explored.

ED 445. Comprehensive School Health. 3 Hours.
This course will focus on the need for comprehensive school health education for students and society. Students will examine the role of the health educator as coordinator of the school health program. National Health Standards will guide the curricula as students learn about policies, procedures and activities designed to promote K-12 healthy living.

ED 446. Elementary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques during the concurrent practicum ED 323 PE/Health Practicum II. Prerequisite(s): ED 201 and ED 213.

ED 447. Secondary P.E. Methods. 3 Hours.
This course is designed to teach prospective physical education teachers the concepts necessary to become an effective teacher. The class will study classroom management, planning, teaching instruction, student feedback and assessment. Students will have the opportunity to practice planning and teaching techniques by conducting lessons during the attached practicum experience. Prerequisite(s): ED 201 and ED 213.
ED 450. Student Teaching/Seminar in Teaching. 15 Hours.
ED 450 is the culminating experience of the Husson Teacher Education Program and occurs after all other coursework and requirements have been completed. It has two required concurrent sections: a sixteen-week student teaching field placement and a weekly capstone seminar in teaching. This dual approach is designed to integrate pedagogy and professional practice to ensure that clear connections are made by student teachers as they strive to become effective educators. The InTASC Model Core Teaching Standards and the National Educational Technology Standards for Teachers NETS-T provide the framework for both the student teaching section and the seminar. ED 450 is viewed as a collaborative undertaking among students, instructors, and supervising teachers.

ED 499. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer advanced courses in education that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

ED 600. Research Methods in Business and Education. 3 Hours.
This course is designed for graduate students who have little or no formal preparation in those areas of research and problem-solving essential for a comprehensive study of business and education at the graduate level. Emphasis is placed on the identification of common problem types and the selection and use of appropriate methods of analysis (primarily statistical in nature).

ED 601. Theoretical Foundations of Learning. 3 Hours.
This is an advanced study of the application of the principles of educational theory and psychology in teaching students PK–12. Theories, principles, and issues investigated in this course include cognitive, linguistic, personal, social, emotional and moral development, the role of educational theory in practice, and students with special needs. Students in the course will incorporate the principles of educational psychology and an array of theoretical frameworks in a variety of classroom settings and decision-making processes. Authentic case studies will be used to analyze the practical applications of these principles in teaching and learning situations. The course includes an in-depth study in the areas of cognitive process, construction of knowledge, behaviorists' views of learning, social cognition, and motivation. Students will conduct analyses of learning theories in light of this knowledge. Instructional processes will be examined in relation to instructional strategies, student interactions, and learning assessment. Emphasis will be on the development of successful academic and social interventions using an inquiry-based approach. Students will demonstrate their understanding by identifying the principles of educational psychology and learning theory in their school setting.

ED 603. Advanced Curriculum and Instruction. 3 Hours.
This graduate level core course is designed to enhance student understanding of curriculum content, design, policy, and instructional strategies through the application of curriculum theory, assessment and technology. Students acquire skills in planning the context for learning utilizing authentic experiences for diverse populations and the promotion of successful academic and social interventions using an inquiry-based approach. Identification and implementation of research-based instructional strategies are examined. Curricula are analyzed using an integrated approach to instruction that promotes grade level competency. Students demonstrate curricula mapping in accordance with Maine standards.

ED 701. Introduction to School Guidance Counseling. 3 Hours.
This course will survey the philosophy, objectives, principles and program of comprehensive developmental school guidance programs at the K-12 level. The course will focus on National and State Models of School Counseling.

ED 702. Advanced Assessment Practices. 3 Hours.
In this advanced assessment course, students will develop an understanding of current trends, issues, and practices in assessment and apply their understanding to classroom, school, and district practices. This core course in the Master of Education program is conducted in seminar format. Students prepare for course meetings and participate in whole group discussions online and in person related to the readings, current practice, experience in assessment, and knowledge of trends and issues, making connections between the theory and classroom, and school-wide practices. Students will create and reflect upon online discussions to analyze the strengths and purposes of assessment instruments, analyze data, evaluate recommendations and interventions based on assessment findings and synthesize the information in communication appropriate to different stakeholders, colleagues, administrators, and families. Students will present practices, findings of research, analyses of assessments in multi-media presentations and develop an e-portfolio documenting the processes of the course, the self-evaluation, and the learning in the course.

ED 705. The Changing Role of the School Counselor. 3 Hours.
This course will review the historical and philosophical bases for school counseling programs, explore traditional roles for the school counselor, and examine the ethical and legal responsibilities of school guidance counselors. Focus will be given to recent applications of contemporary theories in educational settings as well as the role of the counselor in assisting all students in academic, career, and personal/social domains.

ED 706. STEM in the Classroom. 3 Hours.
This course provides the foundations of science, technology, engineering, and math (STEM) education disciplines based upon the Next Generation Science Standards (NGSS) and the Math and ELA Common Core Standards. The approach used will be a multi-disciplinary experiential learning method that will engage participants in scientific and mathematical practices that can be directly applied in the classroom to help learners make connections across curricula. Core topics include STEM pedagogy, the nature of STEM education disciplines, integrative STEM learning, and deepening knowledge within the STEM disciplines. Course objectives are grounded in the the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 707. Literacy Across the Curriculum. 3 Hours.
This advanced course explores how literacy, broadly defined as reading, writing, talking, viewing, representing, and listening, can be a tool for thinking and learning in the content areas for all PK-12 students in different school environments of a diverse and globalized society. The course provides opportunity for participants to discuss and practice inquiry-based approaches that support learning and literacy development in the content areas, while integrating technology and instruction and connecting reading and writing. The course includes the genres and texts that teachers might use in the teaching of reading for different purposes. Professional and research literature are included. The workshop/seminar format of the course is interactive and includes lectures and demonstrations as students become more knowledgeable with respect to ethical decision-making, social responsibility, and reflective practice. Class participants will serve as resources, collaborators and teachers through in-class discussions, group work, and projects.
ED 708. Advanced Classroom Management. 3 Hours.
This course is designed to assist the classroom teacher in creating a climate that is safe and conducive to learning for all students in the inclusive classroom setting. Students will expand and apply their knowledge of theory and practical strategies for classroom management and student engagement. Through inquiry-based study, learners will gain increased knowledge of effective strategies to implement when dealing with challenging student behaviors. Students will gain advanced skills with which to manage the inclusive classroom and be able to more effectively engage students and parents.

ED 799. Topic/ 1 Hour.
Selected topics are offered centering on the needs and interests of the students and the availability of expert faculty.

ED 809. Integrating Technology into Instruction. 3 Hours.
This course introduces students to a variety of technologies and computer applications that can enhance teaching, assessment, and the learning process. Class sessions and projects involve critically examining the theory and practice of using technologies to augment learning. Course objectives are grounded in the Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards and the National Educational Technology Standards for Teachers (NETS-T).

ED 810. Contemporary Issues in Educational Leadership. 3 Hours.
This course provides an overview of formal and informal models of teacher leadership as well as the opportunity for in-depth analyses of relevant topics from the current and past centuries. Students explore emerging trends that address leadership opportunities for teachers and issues related to group dynamics, motivation, communication, ethics, and human relations. Course topics also include educator evaluation, the nationalization of standards and assessment, standards-based education, globalization, diversity, and technology. Skills and strategies for effective leadership are developed, especially those related to organizational change, ethical decision-making, and team building.

ED 868. M.Ed. Capstone. 3 Hours.
Students will complete a supervised experience, thesis, or special project in their area of interest that has been pre-approved by the department. Prerequisite(s): ED 601 and ED 603 and ED 702 and ED 706 and ED 707 and ED 708 and ED 809 and ED 810 and CO 704 and BA 600.

EH (EH)

Courses
EH 080. Reading & Vocabulary for International Students. 3 Hours.
Reading & Vocabulary for International Students: This course develops non-native English speakers' general reading fluency and their discrete reading knowledge and skills, and teaches them how to explore new vocabulary while developing their knowledge of academic vocabulary. Placement is determined by diagnostic writing and vocabulary tests. The course does not count towards the degree. A minimum grade of C is required.

EH 081. Writing I for International Students. 3 Hours.
Writing I for International Students: This course develops the general English writing skills of non-native English speakers who may not be ready for full-time university coursework in their major fields of study through the practice of general and academic English writing "genres" and an exploration of the writing process. Placement is determined by diagnostic writing and vocabulary tests. The course does not count towards the degree. A minimum grade of C is required.

EH 082. Writing II for International Students. 3 Hours.
Writing II for International Students: This course develops the academic English writing skills of non-native English speakers through the practice of specific academic English writing tasks often undertaken at Husson University, an exploration of how to write differently with different audiences and for different purposes, and an analysis of the basic writing conventions of their major fields of study. Placement is determined by diagnostic writing and vocabulary tests or successful completion of EH 080 and EH 081. The course does not count towards the degree. A minimum grade of C is required.

EH 083. Focused Listening for International Students. 3 Hours.
Focused Listening for International Students: This course develops the aural and oral fluency and skills of non-native English speakers who are not yet ready for full-time university coursework in their major fields of study through extensive listening and speaking exercises, an introduction to the types of academic English listening and speaking tasks they will encounter at any university, an exploration of the pragmatics of English and how they differ from their own language pragmatics, and activities related to the different ways that English is pronounced in the many places it is spoken. Placement is determined by diagnostic listening and speaking tests. The course does not count towards the degree. A minimum grade of C is required.

EH 084. Oral Communication I for International Students. 3 Hours.
Oral Communication I for International Students: This course develops the academic English listening and speaking skills of non-native English speakers who may not be ready for full-time university coursework in their major fields of study through the practice of realistic academic English listening and speaking tasks, the investigation of how spoken English is used differently with different audiences and for different purposes, and an exploration of the effective use of English to navigate the institution. Placement is determined by diagnostic listening and speaking tests. The course does not count towards the degree. A minimum grade of C is required.

EH 085. Oral Communication II for International Students. 3 Hours.
Oral Communication II for International Students: This course prepares non-native English speakers for the rigors of university coursework through the study and practice of relevant academic English listening and speaking tasks, guides them through an exploration of "World Englishes" and how to use them or not with different audiences and for different purposes, and improves their understanding of the pragmatics of advanced conversational English. Placement is determined by diagnostic listening and speaking tests or successful completion of EH 083 and EH 084. The course does not count towards the degree. A minimum grade of C is required.

EH 086. Modular ESL (English as a Second Language). 1-6 Hour.
Modular ESL is a one-to-six credit course which prepares non-native English speakers for success at Husson University through the completion of assignments in some or all of six different areas of Academic English: Oral & Aural English; Reading & Writing; Grammar, Vocabulary, Language Pragmatics, and Academic Thinking. The number of credits a student must take is determined by writing, vocabulary, listening, and speaking tests. One credit-hour is equivalent to 40 unit-hours of independent study, work with the teacher, and occasional collaborative in-class work. These tests are also used to determine what portion of the unit hours must be spent on assignments in each of the six areas of study and which specific assignments may be required. The course does not count towards the degree. A minimum grade of C is required.
EH 091. Writing Workshop. 3 Hours.
In this course students practice a variety of writing strategies and sentence-level skills in a workshop atmosphere that prepares them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling and document format are among the topics covered in preparation for academic writing. Connections between reading and writing are emphasized. Placement is determined by a diagnostic writing sample. The course does not count toward the degree. A minimum grade of C is required.

EH 091L. English Writing Workshop Lab. 1 Hour.
This course is a writing workshop lab that is required for all students taking a developmental section of EH 123. The lab is structured using the studio model. This model provides a "third space" where students can explore, in more detail, the skills required to complete the standard EH 123 curriculum and, more importantly, the expectations of "college-level writing," which includes not only specific writing abilities but also the "habits of mind" that allow students to use writing as a means of solving unforeseen problems. This lab is also connected to the writing center, which provides tutoring opportunities for students enrolled in the writing lab.

EH 092. Writing Workshop for International Students. 3 Hours.
In this course students for whom English is a second language practice a variety of writing strategies and sentence-level skills in a workshop atmosphere that prepares them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling, and document format are among the topics covered in preparation for academic writing. Connections between reading and writing are emphasized. Placement is determined by a diagnostic writing sample. The course does not count toward the degree. A minimum grade of C is required.

EH 093. Academic English for International Students. 3 Hours.
This course is designed for students for whom English is a second language. Placement is determined by diagnostic written and oral evaluation. Students will practice a variety of writing strategies and sentence-level skills in a workshop atmosphere to prepare them for college-level writing. Thesis and paragraph development, grammar, punctuation, spelling, and document format are among the topics covered. Development of academic vocabulary will be stressed. Listening and note-taking strategies will be practiced. Both linguistic and cultural aspects of oral classroom participation will be taught.

EH 094. Advanced English Workshop for International Students. 3 Hours.
This course is a more advanced continuation of EH 092, emphasizing additional development of vocabulary, writing and oral participation in the American academic environment. Placement is determined by diagnostic assessment. Students whose English skills warrant it may be placed directly into this class and bypass EH 092.

EH 103. Rhetoric and Composition I Studio. 1 Hour.
A supplement to Rhetoric and Composition I (EH 123), this course is required for students placed as basic writers and optional for all other students. Placed students must pass both this course and Rhetoric and Composition I in order to move on to Rhetoric and Composition II (EH 124). Class meets once a week. Class size is limited to eight. Curriculum is coordinated with EH 123 instructor and tailored to the needs of students. Pass-fail only. (Note: credit does not apply toward graduation.).

EH 104. Rhetoric and Composition II Studio. 1 Hour.
A supplement to Rhetoric and Composition II (EH 124), this course is required for students placed as basic writers and optional for all other students. Placed students must pass both this course and Rhetoric and Composition II. Class meets once a week. Class size is limited to eight. Curriculum is coordinated with EH 124 instructor and tailored to the needs of students. Pass-Fail only. (Note: credit does not apply toward graduation.). Prerequisite(s): EH 123 and EH 103.

EH 123. Rhetoric and Composition I. 3 Hours.
This course teaches techniques for effective oral and written communication. In a workshop environment that features continual instructor and peer evaluation, students develop a process approach to writing and speaking. Students will write in a variety of genres and will reinforce rhetorical strategies pertaining to audience awareness while practicing oral delivery skills. A grade of C or better is required to pass the course.

EH 124. Rhetoric and Composition II. 3 Hours.
This course teaches techniques for effective oral and written communication. In a workshop environment that features continual instructor and peer evaluation, students develop a process approach to writing and speaking. Logical argumentation, academic conventions, and research-related skills are the primary focus. Public speeches are based on written assignments that incorporate various source materials. As students explore connections between the written and spoken word, the significance of nonverbal language and listening skills are emphasized. A grade of C or better is required to pass the course. Prerequisite(s): EH 123 or EH 111.

EH 199. Topic/. 1 Hour.
This course is intended to provide the opportunity to offer introductory courses in English that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

EH 200. Approaches to Literature. 3 Hours.
Introduces students to the study of literature and the fundamental of literary research. Students explore fiction, poetry, and drama from both the western and non-western worlds. The creative process is explored through reading, discussion, research and writing. Additionally, the key themes of power, identity, justice and adaptation and explored in relation literature. Prerequisite(s): (EH 123 and EH 124) or EH 111.

EH 229. Introduction to Poetry. 3 Hours.
This course provides a critical exploration into the sound and sense of verse in English, from its traditional forms (e.g. the sonnet, villanelle and sestina) to more recent styles (e.g. free verse, experimental and avant grade poetry). Special attention to the devices of meter, rhyme, rhetoric and wordplay will enhance students' understanding of the complementary relationship between poetic content (what a poem says) and form (how is it said). Prerequisite(s): EH 200 or EH 112.

EH 230. Introduction to the Short Story. 3 Hours.
This course introduces students to the narrative methods and storytelling strategies that define short fiction. Readings include short stories by traditional and contemporary writers from diverse national and cultural backgrounds. Attention will be given to individual stories and their function in the broader context of entire collections of short fiction. Prerequisite(s): EH 200.

EH 232. Intro to Drama/Play Production. 3 Hours.
This course examines dramatic writing and performance as a vehicle of cultural communication from the ancient world to the present day. Topics studied include forms and definitions of drama, history of play production, staging and criticism. Prerequisite(s): EH 200.
EH 233. Introduction to the Novel. 3 Hours.
This course provides a study of the novel, including its aesthetic development, critical reception, and social function, from its origins in the eighteenth-century to its contemporary practitioners. Specific topics and texts may vary according to instructor and student preference and may include Bradford, Bradstreet, Edwards, Hawthorne, Emerson, Melville, Thoreau and Douglas. Prerequisite(s): EH 200.

EH 234. American Literature I. 3 Hours.
This course presents a survey of American writing from the Colonial period to the Civil War with focus on the intellectual movements and literary output of Puritanism, Native American literature, Romanticism, the Transcendentalists and slavery narratives. Specific topics and texts may vary according to instructor and student preference and may include such writers as Bradford, Bradstreet, Edwards, Hawthorne, Emerson, Melville, Thoreau and Douglas. Prerequisite(s): EH 200.

EH 235. American Literature II. 3 Hours.
This course presents an overview of American literature from the end of the Civil War to 1945. It may include authors and works from the Gilded Age, Progressivism, World War I, the Expatriates, the Jazz Age and the Harlem Renaissance. The course studies the role of literature to express and influence social, economic, and cultural realities of the United States. Specific topics and texts vary according to instructor and student preference and may include Twain, Bierce, Dickinson and Whitman. Prerequisite(s): EH 200 or EH 112.

EH 241. British Literature I. 3 Hours.
This course provides a study of canonical authors and works of the British Isles from medieval times to the modern era. Depending on instructor and student preference, texts and authors may include Beowulf, Chaucer, Langland, Malory, Donny, Shakespeare, Milton, Swift, Austen, Wordsworth, the Brontes, Tennyson, Arnold, Conrad and Woolf. Prerequisite(s): EH 200.

EH 242. British Literature II. 3 Hours.
This course surveys British literature from 1660 to the present. It will combine historical, cultural, and linguistic approaches in the study of various literary genres, considering the way that shapes definitions of language, tradition, nation, and literature. Readings, class discussions, research and writing assignments aim to give students a broad look at a number of canonical writers, intellectual movements, and influential changes that have accompanied the development of British writing since the Restoration. The course is intended for majors and non-majors alike. Prerequisite(s): EH 200.

EH 251. World Literature I. 3 Hours.
This course surveys significant writings in Eastern and Western tradition, from ancient Babylonian civilization to the English Restoration. Selected texts depend on instructor and student interest and may include Gilgamesh, Greco-Roman mythology, Homer’s Odyssey, the Old and New Testaments, Indian epic, Dante’s Divine Comedy and Japanese haiku. Prerequisite(s): EH 200.

EH 252. World Literature II. 3 Hours.
The second of two world literature surveys, this course concentrates on literary works from the English Restoration to the modern era. The primary goal for the course is to define the role of literature as it occurs through a wide range of social, cultural and geographical contexts. Selected texts depend on student and instructor interest and may include Voltaire, Borges, Mahfouz, Tagore, Mishima, Garcia Marquez and Achebe. Prerequisite(s): EH 200.

EH 275. Creative Writing Workshop. 3 Hours.
This course is an introduction to the writing of creative short fiction, poetry, and personal essay. As students workshop their own writing and offer feedback to the writing of classmates, they are exposed to a variety of writing techniques in all three genres in order to help develop their own writing style and voice. Emphasis is placed on the importance of revision and writing as a process. Prerequisite(s): EH 200.

EH 299. Topic. 3 Hours.
This course is intended to provide the opportunity to offer introductory courses in English that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty. Prerequisite(s): EH 200.

EH 300. Literacies in American Society. 3 Hours.
This course will investigate literacy from a sociocultural and linguistic perspective. Students will be defining and operationalizing the term “literacy” and striving to understand the various types of literacy that currently exist in American society. Furthermore, students will study how being adept in various literacies define group membership and serve as a gateway to access to various levels of American social stratification. Furthermore, beginning with pre-school aged children, students will investigate how literacy and the value of literacy is transmitted culturally and how that transmission weighs heavily on future involvement in literacy events. Prerequisite(s): EH 123 and EH 124.

EH 301. The Modern Novel. 3 Hours.
This course examines the novel as it develops in western and European culture from about 1800 through the present. Students will read approximately eight to ten novels per semester from a variety of cultural and historical periods. Students will become acquainted with the relevant historiographical sources, theory and issues pertaining to the period and write a variety of short papers for this course. Prerequisite(s): EH 112 or EH 200.

EH 302. The Nature of Language. 3 Hours.
This survey course will introduce students to the study of the nature of human language. During the course, students will be exposed to origins of human language, myths about language, language principles, writing systems, phonology/phonetics, morphology, syntax, psycholinguistics, social linguistics, first and second language acquisition, historical linguistics, and language and politics, semantics and pragmatics. The goal of this course is to expose the students the complexity of human language. Prerequisite(s): EH 123 and EH 124 and EH 200.

EH 303. Canadian Literature. 3 Hours.
This course will focus on the major thematic concerns that have shaped Canadian literature from the pre-Confederation era to the present day. Literary examples will be drawn from works concerned with ethnicity, colonization, the wilderness, identity formation, and the Francophone/Anglophone divide. Primary attention will be given to texts focusing on the world of work as it has been envisioned by Canadians. Selected poetry and prose from diverse, canonical authors such as Frances Brooke, Susanna Moodie, Isabella Valancy Crawford, Charles Sangster, John Richardson, Joy Kogawa, Alice Munroe, Margaret Atwood, David Adams Richard, and Yann Martel will be examined. Depending on the season, a day trip to King’s Landing – a living museum of Canadian history about three hours from Bangor – could be undertaken. Prerequisite(s): EH 112 or EH 200.
EH 311. Topics in Professional Communication. 3 Hours.
This course builds upon the rhetorical foundation established in EH 123 and EH 124 to introduce students to the skills central to effective professional writing. These skills include an ability to apply composition theory and advanced rhetorical strategies to various professional contexts, such as business, engineering, and professional publishing. In addition, students will learn how to conduct research in a variety of professions, communicating these findings in specific professional genres, which include short stories, poems, novels, business letters, memos, internal and external proposals, analytic reports, and scientific articles. Prerequisite(s): EH 200.

EH 312. Film as Literature. 3 Hours.
This course is intended as an introduction to film studies course. Students will learn to read film by analyzing structure, narrative form, diegetic and non-diegetic elements, mise en scene, generic conventions, motifs, cinematography and editing techniques as they pertain to a given theme followed through a chronological development of film in a given cultural context, (this varies depending upon instructor). The course will stress writing about film through scene analysis papers, journals, and midterm and final essay exams. A formal presentation is also required. Prerequisite(s): EH 123 and EH 124 and EH 200.

EH 320. Literature and Medicine. 3 Hours.
This course approaches ethical, social, and psychological issues in health care through the study of literature. Texts from various genres will frame exploration of the caregiver-patient relationship from alternating perspectives and in diverse social environments, historical contexts, and cultural surroundings. The course emphasizes skills of critical close-reading, research, oral and written argument through class discussion, essays, and presentations. Prerequisite(s): EH 200.

EH 322. Group Leadership and Conference Techniques. 3 Hours.
This course involves experiential learning of leadership, interpersonal communication, and conference activities. Students develop and present individual and group programs based on issues and policies within their degree programs, and/or professional and civic organizations. Prerequisite(s): EH 121 and EH 221.

EH 330. Introduction to Literary and Cultural Theory. 3 Hours.
The goal of this course is to introduce students to the theories upon which advanced literary and cultural analyses are founded. These theories help scholars discover and articulate the role literature plays in our understanding of social associations and cultural tradition, institutions that shape the values and norms through which we define truth and, so, meaning. Prerequisite(s): (EH 123 and EH 124) or College Level=Sophomore.

EH 342. Native American Literatures of North America. 3 Hours.
Students will examine Native American Literatures, including traditional stories, non-fiction, fiction and poetry from authors of different Native American tribes. A variety of themes, including Native American identity and the role literature plays in cultural change, will be covered. Students will investigate these issues through a series of reading journals, two longer response papers, a significant research essay, and two formal presentations. Prerequisite(s): EH 123 and EH 124 and EH 200.

EH 350. The History of the English Language. 3 Hours.
The History of the English Language offers a study of Old, Middle, and Modern English. Furthermore, the course will address how the nature and mechanisms of language change over time, as well as the social, political, and other historical conditions that relate to such changes. The course will also attend to phonology, morphology, syntax, lexicography, and semantics, as well as to the broader cultures of the relevant periods. Prerequisite(s): EH 123 and EH 124.

EH 352. Advanced Writing Internship. 3 Hours.
This course is designed to combine training for writing tutors with practical experience in the Writing Center. Students will study rhetoric and composition theory and explore issues that interfere with successful student writing, both their own and that of others. Acquired knowledge will be applied in both classroom role-playing situations and actual tutorial experiences in the Writing Center. Emphasis will be on preparing students for possible future roles as peer tutors in the Writing Center. Prerequisite(s): EH 112.

EH 411. Seminar in Literature. 3 Hours.
This is an upper-level seminar course of variable content determined by current faculty research and student interests. Previous topics include Shakespeare, Virginia Woolf, Twentieth Century Poetry and Literature of Place. Prerequisite(s): EH 200.

EH 453. Major Plays of Shakespeare. 3 Hours.
This course will examine Shakespeare’s major plays. The plays will be examined in context of Shakespeare’s background and English Renaissance thought. Plays covered in this course may vary, and students will examine selections from Shakespeare’s histories, tragedies, romances, and/or comedies. Prerequisite(s): EH 200.

EH 499. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer upper level literature courses in English that are not normally included in the ongoing curriculum at Husson University. Topics will depend upon the interests of students and faculty. Prerequisite(s): EH 123 and EH 124 and EH 200.

EP (EP)

Courses

EP 111. Introduction to Theatre. 3 Hours.
Theatre has always been the basis for mass communication on a dramatic level. A study of the evolution of theatre, its history, business structures and career categories relate to many other forms of media communication. This course offers an overview of theatrical techniques and how this industry functions today. Emphasis is placed on theatrical production, its relevance to contemporary communication techniques and theatrical administration.

EP 112. Stagecraft Practicum. 1 Hour.
This course is structured as a practicum, allowing the EP student to experience the technical demands of the performance industry. Student will engage in activities such as event load-ins, construction of elements for specific events, and performance facility upgrades and maintenance. Students will be assigned other tasks commensurate with their growing levels of experience. Each EP student will be required to take this course for six (6) of their total semesters in the degree program, logging in 30 hours per semester.
EP 118. Entertainment Safety. 3 Hours.
This course teaches the basics of entertainment safety and core craft skills. Students explore the fundamentals of working in a stage and entertainment settings developing skills with basic power tools, construction drawings, shop math, equipment handling, pyrotechnics and rigging. Valuable industry training comes in the form of an OSHA 10 hour card and basic lift training.

EP 122. Entertainment Design & Technology I. 3 Hours.
This introductory course covers basic equipment, analysis, design and operation which is universal to a theatrical, corporate, television, digital film-making and musical production. Topics include scenery, staging, lighting, audio, projection and scenic design.

EP 122L. Entertainment Design & Technology I Lab. 2 Hours.
This lab is a hands-on extension of the instruction-based Entertainment Design and Technology I class.

EP 124. Scenic Construction. 3 Hours.
Students will learn the basic materials and construction techniques for theatre, film, television, and event production.

EP 124L. Scenic Construction Lab. 2 Hours.
Students will learn the basic materials and construction techniques for theatre, film, television, and event production. The lab portion will reinforce and allow for the application of skills covered in the lecture component of the course.

EP 131. Fundamentals of Stage Lighting. 3 Hours.
Students work onstage and in the classroom to learn the basics of lighting. This includes working with lighting instruments, lighting board, safety, basic lighting techniques, and lighting paperwork. An additional classroom component will include a look at the history of lighting, electricity and color theory. This class will cover traditional theatre as well as larger concert type venues.

EP 135. Media Performance. 3 Hours.
In this course, students will have the opportunity to develop basic performance techniques which are applicable to multiple platforms within the communications and entertainment industries. The course is intended to provide future media professionals experience performing skills that are used in these industries. The performance skill sets will focus on three applications: Live Performance (Theatre); Performing for the Camera (Film and Video) and Voice Performance (Voice Artist and ADR). This course will utilize a basic acting analysis technique, and track this technique through the different performance venues. Emphasis will be placed upon critical analysis of scripted materials, development of the performer's body and voice as instruments of the profession, and comparing and contrasting career performance platforms within the communications and entertainment industries. Fall ONLY.

This course introduces the concepts and practices of sound engineering. Students will apply knowledge obtained through the course to set up sound reinforcement for a variety of live events. This course will include the concepts of gain structure, practical microphone placement, general use of equalization and mixing techniques for live sound applications. Students will also learn and develop trouble-shooting skills.

EP 221. Computer Aided Drafting/3D Visualization. 3 Hours.
Students will learn the techniques for developing designs through the use of software such as Vectorworks. Design students and technicians will learn the basics of CAD drafting as well as organization and layout. The class will also address three-dimensional visualization in Vectorworks.

EP 225. History of Theatre. 3 Hours.
This course will examine theatre's beginnings to the present day. Rather than presenting students with a mere catalog of historical facts, the class traces the themes of theatre through the different time periods and explores the various mediums through which this art form has been presented. This will create the opportunity to see how the theatre has developed through different cultures and technologies.

EP 231. Advanced Stage Lighting. 3 Hours.
This will be a second level lighting course which continues the technical applications covered in EP 131 Fundamentals of Stage Lighting. Prerequisite(s): EP 131.

EP 235. Musical Theatre Performance. 3 Hours.
This course will focus on the skills necessary to perform musical theatre. Course curriculum will introduce the student to the "triple-threat" concept of musical theatre in which performers are expected to act, sing and dance well. Accordingly, students will receive introductory training in voice, dance, and acting techniques, which will be used to rehearse and perform a small musical theatre event in the Gracie Black Box Theatre.

EP 240. Production Management. 3 Hours.
This course is an introduction to Stage Management techniques and organizational management structures. It will examine the different responsibilities and challenges encountered by a stage manager during commercial, community or educational theatre applications. The course will contain both lecture and hands on training using specific industry tasks and professional criteria. The student will come to appreciate that a stage manager must possess a wide range of artistic, technical, managerial, and communication abilities while fostering a creative work environment that is conducive to a production's ultimate success. Prerequisite(s): EP 111.

EP 299. Topic/. 2-6 Hours.
This course listing is intended to provide the opportunity for faculty to offer courses of interest in Entertainment Production that would not normally be part of the University curriculum.

EP 310. Business of Theatre. 3 Hours.
This course provides students with knowledge and skills needed to build a career in the management area of performing arts. The student will analyze various management skills from the perspectives of the producer and the performer. Focus will be given to for-profit and not-for-profit corporate structures and the nature of different performance venues. Class work will involve projects and lectures designed to provide the a sense of creating and managing a performance organization. Prerequisite(s): EP 111.

EP 320. Directing. 3 Hours.
This course provides intensive script study with exercises and projects geared toward developing skills for directing. Projects will focus on blocking plans for scenes, written and oral critiques, and a final project of directing a direction and prompt book for a short play. The course integrates all aspects of design and production. Prerequisite(s): EP 111.

EP 322. Entertainment Design and Technology II. 3 Hours.
This course further explores working with equipment, and engaging in analysis, design and operation in a fashion which is universal to a theatrical, corporate, television, digital film-making and musical production. Topics include scenery, staging, lighting, audio, projection and scenic design. This upper level course adds more project work and combines introductory skills with computer-aided drafting. Prerequisite(s): EP 122 and EP 122L and EP 221.
 epic 440 and college level=senior.
requisite courses demanded by their chosen skill set. prerequisite(s): 
ep 122 and ep122l and ep 131 and ep 221.
ep 330. entertainment production internship. 3-9 hours.
this experiential course involves a supervised work experience with 
participating employers for entertainment production students. it 
provides for the application of classroom learning in a professional work 
environment. prerequisite(s): major=bs entertainment production and 
(college level=junior or college level=senior).
ep 340. design and technical practicum. 3 hours.
students enrolled in this practicum will have the opportunity to apply 
technical or design skills obtained in other ep classes in support of a 
threatrical production of the ep spring show in the gracious black box 
thatre or a similar on-campus event of equal complexity. skill sets relied 
upon may include, but are not limited to: scenic design, lighting design, 
projection design and technical direction. prerequisite(s): ep 118.
ep 440. theatre management practicum. 3 hours.
this practicum is designed to provide the entertainment production 
(ep) student with a practical and carefully evaluated experience relating 
to stage direction or management. course work will focus on a single 
production that the student will either direct or manage. this production 
may be a part of the ep program or for any student or community- 
based group. evaluation of the student's work will be based upon active 
and reflective assignments, centered upon the directional or stage 
management processes for this production. ep students may take this 
course no more than two times during their program of study in order to 
partially fulfill their ep electives requirements and deepen their practical 
abilities. advisor approval for this practicum must be coordinated 
with the assigned instructor to determine whether the student has an 
appropriate skill set. prerequisite(s): ep 118 or (college level=junior or 
college level=senior).
ep 441. design and technical practicum. 3 hours.
students enrolled in this practicum will have the opportunity to apply 
technical or design theatrical production skill set of their choosing in the 
context of a capstone experience. the work in this course will be focused on 
the production of the ep spring show in the gracious black box theatre 
or a similar on-campus event of equal complexity. the chosen technical 
or design skill set will have been addressed academically in other ep 
courses, but this practicum will allow the student to use these skills in an 
actual production under faculty oversight and evaluation. these skill 
sets may include, but are not limited to: scenic design, lighting design, 
projection design and technical direction. prerequisite(s): ep 118 and 
college level=senior.
ep 442. theatre management practicum ii. 3 hours.
this independent study provides the ep student with an advanced 
practical and carefully evaluated experience related to the crafts of either 
stage direction or stage management. course work will be focused on 
a single production that the student will either direct or serve as 
the stage manager. this production may be a part of the ep program 
or for any other student or community-based group. evaluation of the 
student's work will be based upon active and reflective assignments, 
centered upon the directional or stage management processes for this 
production. ep students may take this course no more than two times 
during their course of studies in order to partially fulfill their ep electives 
requirements and deepen their practical abilities, but only with advisor 
approval. this approval will be coordinated with the assigned course 
structor to ascertain that the student has successfully completed the 
requisite courses demanded by their chosen skill set. prerequisite(s): 
ep 440 and college level=senior.
ep 443. design and technical practicum ii. 3 hours.
this independent study provides the ep student with an advanced 
practical and carefully evaluated experience related to the crafts of either 
scenic, lighting, or projection design or the project management 
duties of a technical director applied to a specific theatrical or event 
production. the purpose of this directed study is to give the student 
an opportunity to deepen their experiential activities within this field. 
course work will focus on a single production for which the student will 
either design the relevant technical elements or serve as the technical 
director. this production may be a part of the ep program or for any 
other student or community-based group. evaluation of the student's 
work will be based upon active and reflective assignments, centered 
upon the directional or stage management processes for this production. 
ep students may take this course no more than two times during 
their course of studies in order to partially fulfill their ep electives 
requirements and deepen their practical abilities, but only with advisor 
approval. this approval will be coordinated with the assigned course 
instructor to ascertain that the student has successfully completed the 
requisite courses demanded by their chosen skill set. prerequisite(s): 
ep 441 and college level=senior.
ep 448. final portfolio review. 3 hours.
in this course, entertainment production (ep) students will organize 
their work from prior courses and associated efforts into physical and 
online portfolio formats. this work will be done in preparation for a final 
presentation and peer and faculty review. portfolios will be evaluated and 
recommendations made for areas that need to be addressed as he/she 
prepares for the move into the entertainment industry. prerequisite(s): 
major=bs entertainment production and college level=senior.
ep 499. topic/. 1-6 hour.
this course listing is intended to provide the opportunity for faculty to 
offer advanced courses of interest in entertainment production that 
would not normally be part of the university curriculum.
fa (fa)
courses
fa 101. art and human experience. 3 hours.
art and human experience: an introductory exploration of visual art, 
emcompassing the materials, methods, and ideas that underlie the 
complexity of human artistic expression. students will gain knowledge 
about how art is produced and how particular forms of art fit into the flow of 
human history.
fa 102. community arts immersion. 3 hours.
in this course students will engage an array of regional arts experiences 
on and off campus. participants will attend performances and visit 
galleries and museums, engaging in critical reflection on the performing 
and fine arts and sharing their thoughts in written and oral presentations. 
class sessions will include guests from the local arts communities and 
organizations. in the course students will be expected to make visits 
to studios, community arts center, theatres and other cultural venues. readings and discussions will introduce students to current 
issues and challenges in the arts.
FA 110. Photography. 3 Hours.
Photography is a medium for expressing ideas and personal feelings and communicating information. It is both a science and an art, and both aspects will be covered in the course. Understanding the nature of light, capturing the light, understanding how the camera works and how different settings, lenses and filters affect the image are part of the science of photography. Understanding the esthetics of composition, developing a photographers eye (visual skills), and using settings, light, lenses and filters creatively constitute the art of photography. Students will be instructed on the theories of photography and then will apply the theories in their own creative work. On an ongoing basis, students will critique their own work and the work of others to improve their skills.

FA 113. The Art of Cartooning. 1 Hour.
Introduces the fundamentals of cartooning, caricature portraits, and story telling through fundamental art principles. This class will explore cartooning presentations with various media; pencil, markers, and pen and ink.

FA 115. 2d-Design. 3 Hours.
2d-Design introduces basic art and color theory through the Elements and Principles of Design. Emphasis is placed on materials manipulation, graphics without computer aide, problem solving skills and critically analyzing one’s own artwork as well as other student’s work.

FA 120. Drawing I. 3 Hours.
Drawing I introduces the fundamentals of black and white drawing mediums through direct observation of the still life exploring the Elements of Art and the Principles of Design.

FA 125. Art for Children. 3 Hours.
This course examines artistic development and expression in childhood. Emphasis will be on actual artistic production, the visual language of art including the principles of design and color and on issues of aesthetics and response strategies in relation to art criticism and art history. The cognitive developmental stages of artistic growth in childhood and psychomotor skills will serve as a foundation in preparation for curriculum planning.

FA 130. Husson Pep Band. 1 Hour.
The band plays at sports and other University events. Weekly attendance at practices required as well as learning individual parts and playing at events. Students of all abilities welcome. Students may enroll three semesters for credit.

FA 131. Husson Pep Band. 1 Hour.
The band plays at sports and other University events. Weekly attendance at practices required as well as learning individual parts and playing at events. Students of all abilities welcome. Students may enroll three semesters for credit.

FA 132. Husson Pep Band. 1 Hour.
The band plays at sports and other University events. Weekly attendance at practices required as well as learning individual parts and playing at events. Students of all abilities welcome. Students may enroll three semesters for credit.

FA 134. Husson University Singers. 1 Hour.
Husson University Singers is a collegiate level chorus that strives to provide an eclectic, enthusiastic, supportive, learned, and fun environment in which all members can explore and continue to develop their love of music and singing regardless of experience and skill level. Through an extensive and varied repertoire, students will study and perform many styles and periods of music. The group has the opportunity to perform at several events on campus as well as some off campus venues as well. One credit per semester taken. Students can take it for credit up to three times.

FA 141. Ballroom Dance. 3 Hours.
From swing to salsa and waltz to tango, basic social and Latin dance forms, with emphasis on body alignment, flexibility, strength, rhythm, coordination, styling, and movement vocabulary. Further exposure to the Afro-Caribbean roots of today’s dance forms.

FA 142. Modern Dance I. 3 Hours.
An introduction to contemporary and stylistic modern dance techniques. Center floor technique exercises and dance combinations will emphasize proper body alignment, flow of energy, and the creation of expressive movement in space. For the performing artist or general student.

FA 143. Jazz Dance. 3 Hours.
An introduction to contemporary and stylistic Jazz dance. Center floor technique exercises and dance combinations will emphasize proper body alignment, rhythm, flow of energy, and the creation of expressive movement in space. For the performing artist or general student.

FA 201. Art History I: Prehistoric to Late Medieval Art. 3 Hours.
This course encompasses a study of the history of Western art, beginning with the first objects created by prehistoric humans around 20,000 years ago and ending with the art and architecture of the Late- Medieval period in 14th Century in Europe.

FA 202. Art History II: Art History: Renaissance to Present. 3 Hours.
This course is the second in the sequence of survey courses in Art History focusing on the history of art from the Renaissance to the contemporary era. Emphasis will be on artists and art forms of Western cultures.

FA 203. Sounds like Music. 3 Hours.
This course is designed to introduce the student to music. Beginning with the premise that music is universal and that all music represents an important part of the human experience, this course will provide the student with an overview of the various musical expressions spanning the globe.

FA 205. Painting I. 3 Hours.
Painting I - Painting in oil or acrylic medium exploring fundamentals of color theory, paint applications, composition and expressive content. This class will explore the Elements of Art and the Principles of Design through direct observation of the still life.

FA 210. Pastel Painting. 3 Hours.
Pastel Painting - Fundamentals of pastel painting techniques working from a variety of subject matter. Basic design principles and color theory will be explored through direct observation of the still life, portrait and landscape.

FA 220. Introduction to Cartooning and Storyboarding. 3 Hours.
Introduction to Cartooning and Storyboarding introduces the fundamentals of cartooning, caricature portraits, and storyboarding through fundamental art principles. Students will learn to develop caricatures through the gesture, tell stories through cartoon strips and learn the basics of storyboarding, writing a script, working with camera angles to develop a short film, ad, presentation or animation.
FA 230. Mixed Media Exploration. 3 Hours.
This course will introduce students to a wide variety of materials and methods of art-making. Painting, Drawing, Collage, 3-Dimensional Forms, and Printmaking techniques will all be covered. Students will engage in Experiential Learning in the studio setting, and daily objectives will include problem-solving and creative thinking. Traditional to contemporary practices will be discussed, and references to Art History will be incorporated into daily exercises.

FA 240. History of Photography. 3 Hours.
In this course, students will develop an understanding of how photography has influenced art movements as far back as the Renaissance. Students will also learn to appreciate aesthetic trends, changes in technology, and the critical role of photography in social reform.

FA 299. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in fine arts that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

HA (HA)

Courses

HA 101. Intro to Hospitality Mgmt. 3 Hours.
This survey of the hospitality industry will cover history, current practices, future of the industry, restaurant/food service operations, hotel/motel management, travel/tourism, managing in the service industry, operations management and personnel leadership.

HA 102. Basic Hospitality Internship. 3 Hours.
This internship is a college-supervised work experience at a participating industry property; course includes placement for a full summer. A journal and written assignments are required components of the internship experience (May-August). Prerequisite(s): HA 101.

HA 200. Tourism and Travel. 3 Hours.
This course is designed to expand the student's knowledge of Tourism and Travel by examining how the different sectors of Tourism and Travel work separately and in unison. Some of the aspects covered will include the economics, psychology and sustainability of travel and tourism.

HA 201. Food & Beverage Control Systems. 3 Hours.
Theory and practice of food preparation. Topics will include: importance of food preparation to restaurant success, food history, kitchen and restaurant cost controls, menu development, purchasing, receiving, equipment operation and maintenance, and basic food preparation and presentation.

HA 202. Facilities & Guest Services. 3 Hours.
In depth study of operations of food and rooms divisions in the hospitality industry. Topics will include: hiring, staff development, quality services, and ethics. Prerequisite(s): HA 101 and HA 201.

HA 203. Intermediate Hospitality Inter. 3 Hours.
This college-supervised internship builds on the previous one to insure that the student gains exposure to front line industry positions that are different from the previous internship experience. A journal and written assignments are required components of the internship experience (May-August). Prerequisite(s): HA 101.

HA 209. Menu Planning and Food Safety. 3 Hours.
This course undertakes a comprehensive exploration of the basic functions in contemporary food service management. The course examines menu management and food safety within the modern food service industry and may lead to Servsafe certification. Prerequisite(s): HA 201.

HA 211. Economics of Tourism. 3 Hours.
The purpose of this specialized course is to expand the student's knowledge in the fundamentals of the economic impact of tourism. In this 200 level course, the student will learn how to create value in tourism, who are the consumers of tourism and the impact of tourism on GDP. The student will visit a convention and visitors bureau and will prepare an impact project on an aspect on tourism on the local economy. Prerequisite(s): HA 101 and HA 200.

HA 299. Topic/. 3 Hours.
This course is intended to provide an intermediate course which is timely and based on the interests and needs of the students, faculty and the workplace environment. These courses would not normally be part of the Husson curriculum, but can be used to develop future courses.

HA 301. Supervision in Hospitality Management. 3 Hours.
This course will provide a framework for supervision combined with the responsibilities, skills, and tools necessary to improve the student's effectiveness as a supervisor.

HA 302. Hotel Operations. 3 Hours.
This course covers topics involved with creating and managing hospitality properties including building, design and operations of room and food operations. In this course students will write a business plan for a hospitality property.

HA 303. Event Planning and Management. 3 Hours.
The purpose of this specialized course is to expand the student’s knowledge in the fundamentals of event management. In this junior level course, the student will learn that gatherings, meetings and events have been occurring for centuries. The student will visit an event center and will plan an event either actual or simulated from start to finish. Prerequisite(s): HA 101 and HA 200.

HA 311. Destination Management and Marketing. 3 Hours.
This course is designed to expand the student’s knowledge of the marketing of Tourism and Travel. The student will learn how this industry uses destination marketing and management to guide the consumer to make more efficient use of their leisure time. Prerequisite(s): HA 101 and HA 200.

HA 401. Hospitality Internship. 3 Hours.
A College-supervised work experience course with participating hospitality properties; course includes placement for a full summer and fall semester.

HA 402. Leadership in Hospitality Management. 3 Hours.
In depth analysis of selected case studies affecting today's hospitality industry. Course emphasizes teamwork, hospitality sensitivity, critical reasoning and integration of skills. Prerequisite(s): HA 401.

HA 403. Advanced Hospitality Internship. 6 Hours.
Advanced Hospitality Internship: This college supervised work experience will provide the student with entry level management experience in the hospitality industry through placement in a hospitality property for a full summer or a fall and spring semester. Prerequisite(s): HA 401 and College Level=Senior.
HA 412. Sustainable Tourism. 3 Hours.
This course is designed to expand the student’s understanding of the concepts and principles of the marketing and management of ecotourism activities and the development of sustainable growth in tourism sectors. Prerequisite(s): HA 101 and HA 200.

HA 499. Topic/. 1-3 Hour.
This course is designed to allow students and faculty the opportunity to research and design special projects within the Hospitality and Tourism Industries. The course enhances the student’s knowledge of Hospitality and Tourism Management by building on prior course work and experiential learning.

HE (HE)

Courses
HE 111. The Husson Experience. 1 Hour.
This course is designed to assist entering students in making a successful transition to life at Husson University. The goals of this mandatory course include personal development and campus community engagement. Students will work together to identify academic and social resources, to develop skills for academic and social success, to make meaningful connections with the campus community, and to develop academic and career goals. The course is experiential in nature and all course activities are directed toward fostering the above two goals.

HE 199. Topic/. 1 Hour.
This course is designed to assist entering students in making a successful transition to life at Husson University. Topics will depend upon the interests of students and faculty.

HS (HS)

Courses
HS 100. Overview of Careers in Health Care. 1 Hour.
This course introduces the students to the different employment possibilities for a Health Care Studies graduate. Seminars will feature invited speakers to discuss how their company works and what positions they might have for a graduate in Health Care Studies. In addition Students can visit different facilities to see first-hand how they use Health Care can be applied to different job settings through virtual tours.

HS 101. Introduction to Health Care Studies. 3 Hours.
This course will introduce the students to the health care industry, and will consist of lectures, readings, discussions, and visiting professionals. While the principal goal will be to inform students of the necessary skills needed to succeed in the health care field, a secondary goal will have the student be able to articulate the background to almost any article relating to the challenges of national health care.

HS 121. Medical Terminology. 3 Hours.
This course introduces students to the language used in describing and coding of clinical visits, medical procedures and on medical forms. The ability to understand complex medical terms will be gained by the analysis of prefixes, word roots and suffixes. Coding of diseases (ICD-9) and medical insurance language will also be emphasized.

HS 299. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer courses in health care studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

HS 301. Introduction to Public Health. 3 Hours.
This course is an introductory overview of the U.S. Public Health System with an emphasis on the core areas of public health, challenges and strategies for working with communities, and specific health issues that impact the health of the population. We will look at environmental and behavior factors associated with health promotion and disease prevention and view different national programs and programs going on in Maine.

HS 311. Healthcare Management and Organization. 3 Hours.
This course will introduce junior year students to the complexity of healthcare organizations and how they are managed. An overview of the historical development of the modern healthcare organization, as well as the contemporary management roles and functions within them, will be reviewed. Measuring performance and quality improvement will also be taught. The importance of the roles of physicians, nurses, as well as other professionals and support staff will be highlighted. Theories of healthcare leadership will also be explored. Prerequisite(s): (HS 101) or (Major=BS Occupational Therapy and (College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior)).

HS 321. Healthcare Law and Ethics. 3 Hours.
This course is a summation and integration of Ethics and Law within the context of healthcare delivery. The class will be introduced to the ethical and moral considerations of the healthcare professions by exploring their historical development. Students will also discover how the law influences the healthcare profession and be introduced to our complex legal structure through exposure to case law and regulations. Prerequisite(s): HS 101 and HS 121 and PH 110.

HS 401. Medical Databases. 3 Hours.
This course is designed as a continuation of HS 121 (medical terminology) and MI 214. Students will learn about and contrast different types of electronic medical records systems. They will learn how to transfer and share data with people from same clinics to people outside of the system and learn about the ethical and legal issues of sharing data. Prerequisite(s): HS 101 and (MI 111 or MI 214).

HS 411. Health Economics and Policy. 3 Hours.
This course will introduce senior Health Care Studies students to beginning healthcare economics and its influence on health policy. The course will emphasize the economic issues of scarcity, choice, supply and demand, marginal analysis, substitutes, and externalities as they relate to health care policies. National health insurance, as a rapidly evolving idea for the future, will also be analyzed and evaluated. Prerequisite(s): HS 101 and HS 311.

HS 421. Health Care Studies Senior Experience. 3 Hours.
This course combines students past course work into one research project. Each student will be required to plan and carry out an investigation into some health area of interest and write-up and report their experiences and results to the whole class. In addition they will put together a portfolio, resume and cover letter for a job of their choice. Prerequisite(s): Major=BS Health Care Studies.
HS 491. Health Care Studies Internship. 3-6 Hours.
This course offers the students experiences in a work and/or research environment dedicated to health care or public health. Each student chooses and contacts a hospital, clinic, health center, public health department or health care business and spends a total of 100 hours in that setting. Activities will include training/orientation, work on projects relevant to the mission of the agency, observation of agency work processes, and other assigned work from the site liaison. Students keep daily journals and meet three times during the semester for training and to share their experiences. Prerequisite(s): Major=BS Health Care Studies and (College Level=Junior or College Level=Senior).

HS 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in health care studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

HU (HU)

Courses

HU 100. Introduction to Humanities. 3 Hours.
This course offers the student a chronological overview of cultural history from the first civilizations in Paleolithic times to the present. The landmarks in the text--visual, literary, and musical key examples--keep the learner from getting lost in the huge survey of time by focusing study on very specific icons and very clear comparisons and contrasts. Key ideas in the history of ideas structure this survey of the human intellect and imagination. Particular sections beyond the west trace cross-cultural influences or emphasize stark contrasts in contemporaneous global cultures. In practice, the focus is on discovery and the sheer joy of learning about the creative process itself.

HU 102. Introduction to Film Studies. 3 Hours.
This course examines the history of feature films from the silent era to the digital age with a special emphasis on those films and directors that are critically acclaimed as being the best of their era. Along the way, students will become acquainted with film theory and begin to see film as an international media despite Hollywood's prominence. Students will hone skills that pertain to the study of all humanities: critical thinking, solid interpretation, clear writing, and engaging conversation. Our guide in selecting films will be the lists published each decade by the British Film Institute (BFI) and the National Society of Film Critics. Fair warning: some of these films are rated R and contain scenes of sex and violence.

HU 111. American Sign Language I. 3 Hours.
This course is an introduction to American Sign Language (ASL), designed to develop conversational signing skills at a beginning level. The course allows for some practice time, working with others, and working with the videotape.

HU 112. American Sign Language II. 3 Hours.
This course, a continuation of HU 111, is designed for students to continue developing beginning conversational signing skills. Additional techniques used by ASL users are introduced. There is allowance for working with others, working with the videotape, and practice time. Prerequisite(s): HU 111.

HU 201. World Religions. 3 Hours.
This is an introduction to the religions of the world with particular emphasis on the religions of first world peoples (especially those of New England), Hinduism, Buddhism, Judaism, Christianity, and Islam. In addition to gaining core knowledge about these traditions in the classroom, students will be given opportunities to encounter them through first-hand narratives, meetings with religious representatives invited to class, readings from sacred texts, and field trips to sacred sites and rituals.

HU 250. Religion in Film: How movies make us think about our faiths. 3 Hours.
In our image-soaked world, the movie industry powerfully shapes our lives and the ways we think about God and participate in religious communities. This course will serve both as an introduction to the study of the religions of the world and as an introduction to thinking critically about movies. Using insights by film scholars we will develop our ability to understand better how filmmakers craft a film and communicate values explicitly and implicitly. By reading theologians and culture critics we will learn to participate thoughtfully in the dialogue between faith and film.

HU 299. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer introductory courses in humanities that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

HU 301. The Greek View of Life: Summer in Greece. 3 Hours.
This is an introduction to a cross-cultural communication through the immersion and participation in the Greek culture. The classic Greek thought will be compared with contemporary Greek and Western thought on such issues as friendship, education, the view of women, identification of aesthetics and ethics, business labor and trades, the European Union, the state religion, law, the family, and other pertinent cultural aspects. Emphasis will be placed on the major events, institutions, ideas, and creative works that developed and continue to shape the western world.

HU 320. Modernism in Art, Music and Literature. 3 Hours.
This course introduces students to an interdisciplinary study of fine arts with a focus on the modern (and post-modern) world. Students will trace the development of modern sensibilities in major works of painting, sculpture, architecture, music and literature.

HU 411. Senior Capstone Experience. 3-6 Hours.
This course is to be taken by seniors completing the BS in Science and Humanities Degree, typically in their final semester of studies. The capstone will be an appropriate academic experience to their Individualize Program of Study, such as a senior thesis, a project with report, an internship with report, a portfolio, or an independent study. Capstone plans must be approved by the IPS student's faculty advising committee before registration.

HY (HY)

Courses

HY 101. History of Western Civilization. 3 Hours.
This is a survey course designed to present a concise view of the significant and relevant experiences of western civilization. Emphasis is placed on the major events, institutions, ideas and creative works that have shaped western civilization.
HY 102. Early World Civilizations. 3 Hours.
This course is a comparative study of the economic, social, political, and intellectual factors that shaped and defined the history of the world from ancient times to roughly 1500.

HY 103. Modern World Civilizations. 3 Hours.
A study of how economic, social, political and intellectual factors shaped and defined the history of selected Western and non-Western civilizations after 1500.

HY 111. United States History I. 3 Hours.
The social, political, and economic growth of the United States from 1620s to the Civil War is stressed. After a view of the colonial settlements, particular attention is devoted to the outbreak of the Revolutionary War, the framing of the Constitution, the struggle between Hamilton and Jefferson, the War of 1812, Jacksonian Democracy, the beginning of industrialization, the causes of the Civil War, and the problems of the Reconstruction Era.

HY 112. United States History II. 3 Hours.
Late nineteenth and early twentieth century social and economic history is examined against a background of the increased nationalism and the rapid industrialization accompanying and following the Civil War and Reconstruction Periods. The Agrarian revolt, the emergence of the country as a first-rate power, the Progressive movement, the New Deal and America’s part in the two World Wars are emphasized.

HY 201. The World of Islam. 3 Hours.
This course examines the history, religious development, and current issues confronted by the people and governments of Islamic countries. Although the religion and its demographics encompass more than the geographic region known as the Middle East, a major focus of the course will be on this region which stretches from southern Asia to northeastern Africa. The genesis of modern civilization and today’s major monotheistic religions is to be found in this area, as are some of the world’s most pressing and perplexing political and religious issues.

HY 202. Cultural Immersion Experience. 3 Hours.
Through this course, students obtain experiential knowledge of culture and history in many different ways that may include interaction with indigenous individuals and their language, song, dance, and food.

HY 210. World Geography. 3 Hours.
This course is an in-depth study of world/human geography having as its basis the five themes of geography: location- the spot where a place is located; place- described by both physical location and human features; region-an area of the earth with one or more shared characteristics; movement-where, how and why people and ideas move; human & environment-how people and the environment affect each other. Each geographic area will be studied in terms of history, religion and geopolitical importance in space and time. Current events will be an integral part of the course as well as maps of all kinds. Mapping will be studied and skills for mapping will be explored and practiced.

HY 211. American National Government. 3 Hours.
The course places in historical perspective the development, organization, and function of American national government. Emphasis is placed upon development of the United States Constitution, the governmental administrative system and the political socialization process essential to an understanding of the American political system.

HY 213. State and Local Government. 3 Hours.
This course examines the structures, processes, and roles of state and local governments in the United States. It will cover the key principles of federalism and the historical, social, and cultural context of the state and local systems of government. The roles of individuals, interest groups, parties, and media outlets will be given special focus. Students will also examine key challenges and issues facing state and local governments, possible solutions to those problems, and the policy process at the local level. This course will devote special attention to the State Government of Maine and local governments of Maine.

HY 221. United States Social History. 3 Hours.
An in-depth analysis of the United States social history from the Colonial period to the present period is examined. Particular attention is given to those nineteenth century social reform movements, as well as the broader institutional-corporate and governmental, cultural and intellectual forces, which have shaped twentieth century America.

HY 299. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer topic courses in history that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

HY 301. The 20th Century. 3 Hours.
This course is a global history of the modern world: the world of the present century. It will benefit students of International Trade and Foreign Commerce, and those generally interested in contemporary history.

HY 321. United States Military History I. 3 Hours.
This course will examine major military events, policies, and practices and their effects on the growth and development of the United States from its colonial period to the Civil War. It will treat the clash of cultures on the ever-moving American frontier and the causes and outbreak of the Revolutionary War. It explores in detail the War with Mexico, the evolution of military command and staff, the American Civil War, and subsequent conflicts in which war, is employed as an instrumentality of conflict resolution.

HY 322. United States Military History II. 3 Hours.
This course will examine American military events, policies, and doctrines of the Twentieth Century and their effects on the growth and development of United States domestic and foreign policy. Looking at armed conflict as an instrument of policy, major events of the century will be critiqued including the world wars, the cold war era and the modern era which Samuel Huntington has characterized as a conflict of civilizations. Modern weaponry, strategy and tactics will be examined as well as changing military doctrine.

HY 341. International Relations. 3 Hours.
The course presents an analysis of current problems of global or international nature. Emphasis is placed on such issues as colonialism versus self-determination; power and morality in international politics; militarism versus world peace. The structure and operation of international agencies and alliances are also discussed.

HY 401. Maine Native American History and Culture. 3 Hours.
The course is mostly located in Washington County on the reservations and in New Brunswick, Canada, uncovering the history and culture of the Wabanakis. Topics to be experienced during the weeklong immersion experience may include spirituality, medicinal herbs, music, drumming, history, oral tradition, food, and preservation of language and culture.
**HY 421. Development of American Business in the 20th Century. 3 Hours.** The course presents a history of the American economy from the nation’s early beginning to the twentieth century. Emphasis is placed upon the development of the country’s emerging economy, industrial transformation and the appeal for governmental intervention. Particular attention is also given to the role of capitalism, the modern corporation and government-business regulations in the twentieth century. Prerequisite(s): HY 111 and HY 112.

**HY 499. Topic/. 3 Hours.** This course is intended to provide the opportunity to offer advanced courses in history that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

**IP (IP)**

**Courses**

**IP 499. Topic/. 1 Hour.** This interprofessional course provides the opportunity for collaborative offerings that engage faculty and students across disciplines. Accordingly, the topics selected will reflect the interest of students and faculty.

**IP 730. Interprofessional Collaboration in Rural Public Health. 3 Hours.** The purpose of this course is to provide experiential interprofessional educational opportunities to students in the healthcare professions, with a focus on public health and health disparities in the State of Maine. Students from across the College of Health and Education (COHE) - undergraduate Nursing, graduate programs in Nursing (Nurse Practitioner and Nurse Educator programs), Counseling, Occupational Therapy, Physical Therapy - as well as students from the School of Pharmacy (SOP) - will collaborate in studying, developing and implementing strategies to improve the overall health of the people of Maine. There are two primary goals to be achieved through this course: 1) to provide an interprofessional learning environment that allows undergraduate, graduate and doctoral students in healthcare professions programs to develop and maintain a climate of mutual respect and shared values and, 2) to provide COHE and SOP students with an understanding of the issues of health disparities in a rural state and offer new paradigms for an interprofessional collaborative approach to care. Prerequisite(s): NU 700 or (Major=MS Clinical Mental Health Counseling or Major=MS Occupational Therapy or Major=Doctor of Physical Therapy or Major=Doctor of Pharmacy).

**IS (IS)**

**Courses**

**IS 455. Independent Study. 1-6 Hour.** This independent study offers an upper-class student the opportunity to present one or more small projects for analysis. The course may consist of seminars, individualized instruction, and/or research related to a specific area of specialization.

**LC (LC)**

**Courses**

**LC 100. Introduction to Language and Culture. 1-3 Hour.** Introduction to a foreign culture, sometimes including travel abroad. Foreign language skills will be incorporated into the course. May be repeated with change in language or format.

**LC 101. Foreign Language Level One. 3 Hours.** Introductory language course. This course will develop students’ basic communicative competence in the language and their understanding of its culture. Throughout the course, students develop their listening, speaking, reading and writing skills Pronunciation and some basic grammar will be taught. The bulk of in-class work will be devoted to developing oral and aural skills.

**LC 111. Spanish I. 3 Hours.** In this course, the student is introduced to modern Spanish; America’s second spoken language. Using a combination of interactive media, Web-based experiences, cultural presentations and intensive class dialog, learners assimilate the fundamentals of the language by reading, speaking, reading, and listening.

**LC 112. Spanish II. 3 Hours.** This course is a continuation of the elements of basic Spanish grammar covered in the introductory class, and progresses toward the development of simple conversational skills.

**LC 121. French I. 3 Hours.** In this course the student is introduced to the language and conventions of modern French; a language used widely throughout the world and close to home in Maine’s neighboring bilingual provinces of Quebec and Atlantic Canada. Making use of class instruction and audio-taped dialogs, students in practice dialog sessions expand their knowledge of the idiom.

**LC 122. French II. 3 Hours.** Intermediate level French includes a systematic, but gradual review of the essentials of grammar and strengthens reading, writing, and especially speaking skills. In order to participate in this course, students must take LC 121 or the placement exam. Prerequisite(s): LC 121.

**LC 131. Introduction to Chinese Culture and Language. 3 Hours.** Introductory language course. This mandarin Chinese course will develop students’ basic communicative competence in the language and their understanding of its culture. Throughout the course, students develop their listening, speaking, reading and writing skills Pronunciation and some basic grammar will be taught. The bulk of in-class work will be devoted to developing oral and aural skills.

**LC 132. Chinese II. 3 Hours.** This Mandarin Chinese course is for students who have prior experience studying Chinese or have taken LC131. Students will further develop their listening, speaking, reading and writing skills. References to Chinese history, culture, and business put the language into context. The relationship between Chinese language and culture and the social-linguistically appropriate use of language will be stressed throughout. Prerequisite(s): LC 131.

**LC 210. Medical Spanish. 3 Hours.** This course is designed for students planning to work in the healthcare field who want to acquire more skills in Spanish. Students develop new critical perspectives on health care for Spanish-speaking patients. Course content includes medical language skills, cultural competency for health care situations, and reviews important Spanish grammar constructs. This course is also intended for students who have earned a 250 or above on the language placement test or taken the LS 111 course or equivalent.

**LC 299. Topic/. 1 Hour.** This course is intended to provide the opportunity to offer introductory courses in Language and Culture that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

**MC (MC)**
Courses

MC 101. Introduction to Media. 3 Hours.
Explore the evolution of the communications industry by studying the history of radio, television, print, film and computer technologies. This course also examines the legal issues of broadcasting and facility management, FCC Rules and Regulations and professional responsibilities and expectations. Students research the past and present trends of the media and incorporate their findings into their studies.

MC 102. Radio Station Operations. 3 Hours.
This is a practical course introducing the student to the operation of radio broadcasting equipment, production, and regulations. Projects are designed to provide students with beginner level skill in the operation of audio consoles, microphones, computers and editing. Completion of this course will also prepare students for working at WHSN 89.3 FM.

MC 103. Writing for Media. 3 Hours.
This course introduces students to and provides intensive practice in the basic types of writing required by the broadcast media and advertising/marketing agencies. This will include advertising copy, writing for a website, promotional copy, public service announcements and business documents, including proposal writing.

MC 114. Intro to News Reporting. 3 Hours.
This course introduces students to how news is gathered and presented in a variety of media, including print, Web, radio and television. Major emphasis is on developing solid news values, reporting skills and writing skills. Ethical issues related to the practice of journalism are also discussed.

MC 115. Radio News Writing and Reporting. 3 Hours.
This course gives students intensive experience in gathering, writing, and producing news for radio, including capturing, editing and incorporating audio sound bites. Regular reporting assignments allow students to refine their skills in writing effective, concise radio news stories. By the end of the course, students will be able to report, write and produce a radio newscast, observing typical time constraints. Prerequisite(s): MC 114.

MC 116. Intro to Public Relations. 3 Hours.
Students tackle the fundamental principles and techniques of public relations and related communication tools. This course looks at current public relations practices and problems, types of communication, and communication strategies. Students learn how to organize thoughts and disseminate material to the appropriate channels while working to prepare an actual PR packet for an off campus non-profit agency.

MC 127. Intro to Sports Journalism. 3 Hours.
This is the NESCom gateway course to sports journalism. Alongside coursework designed to develop basic reporting and writing skills, this course introduces students to the practice of sports journalism. Students will learn the history of sports journalism, and deepen their sports knowledge and sports reporting skills in preparation for more advanced work in play-by-play, sportscast production, and sports information. The course includes intensive critique of the work of current professional sportscasters.

MC 131. Voice and Diction. 3 Hours.
Speech is an important part of all human communication. This course is structured to give students the basic tools with which to verbally communicate in an effective manner on many levels and in many different venues. The course will focus on industry-standard vocal articulation and pronunciation, using the IPA (International Phonetics Alphabet) as an analytical tool. Emphasis will be placed upon identifying and addressing ineffective speech habits and regionalisms. The prime goal of the course is to move the student closer to creating a professional "voice", whether the student plans a career in communications or wishes work in other fields which require effective vocal communication.

MC 202. Advanced Radio Applications. 3 Hours.
In this course, students expand upon the skills learned in Station Operations I by adding automation, voice tracking, emergency alert system equipment, transmitters, and remote broadcast equipment. FCC technical requirements are also covered. Coursework is closely related to the campus radio station, WHSN-FM, including early preparation to be an on-air operator. Prerequisite(s): MC 102.

MC 214. Radio News Lab. 3 Hours.
This course gives students the opportunity to apply their radio news skills in the “real world” as a member of the WHSN news team. The student becomes a working reporter, gathering, writing and reporting news for broadcast. Students conduct interviews, attend press conferences and develop contacts in the local community, and may find themselves working alongside broadcast news professionals in the local market. Prerequisite(s): MC 115.

MC 216. Principles of Advertising. 3 Hours.
This course introduces the structural and behavioral components of the advertising process including research, media, copy and design. Students produce and edit material while learning how to evaluate and design an advertising campaign through research and planning.

MC 217. TV News Writing & Reporting. 3 Hours.
The knowledge and skills gained in MC 114 and MC 115 are applied in this course as students engage in hands-on television news gathering and reporting. Students will learn to report, shoot, write and edit television news and sports stories, using digital cameras and editing software, and the Associated Press Electronic News Production System (ENPS). Emphasis is on reporting, writing, production, and performance (including package narration, standups, and live shots). Outstanding stories may be submitted to NESCom’s weekly/bi-weekly, student-produced, TV newscast—NESCom Connection. Prerequisite(s): CT 100 and MC 115.

MC 220. Introduction to Marketing. 3 Hours.
The course in an introduction to the language and issues of marketing with an emphasis on learning to develop responsive marketing strategies that meet customer needs. The course focuses on basic marketing concepts, the role of marketing in the organization, and the role of marketing in society. Topics include market segmentation, product development, promotion, distribution, and pricing. In addition, the course provides emphasis on self-marketing and concise oral and written presentation.

MC 223. Reporting and Writing for Print. 3 Hours.
This course offers in-depth practice in writing for newspapers and magazines with emphasis on news judgment, solid research, accuracy and writing style. Students weave the practical and conceptual elements of journalism together by writing news stories and features that pertain to current events of significant public interest. Assignments for this course are done both in the classroom and in the greater Bangor community. Prerequisite(s): MC 114.
MC 227. Sports Journalism II. 3 Hours.
This course is a continuation of MC 127. Students expand their sports knowledge and sports reporting skills in preparation for more advanced work in play-by-play, sportscast production, and sports information courses. The course includes intensive critique of the work of current professional sportscasters. Students may be assigned to assist with preparation for and broadcast of Husson University sporting events. Proper methods of courtside and in-studio interviewing will be taught. Prerequisite(s): MC 127.

MC 231. Radio Performance. 3 Hours.
This class introduces proper diction and use of the human voice as a delivery instrument for broadcast production. Students learn to deliver material in a variety of styles and receive critical feedback on their performance. Students utilize skills mastered in Radio Station Operations to write and produce short form production pieces including station promos, commercial advertisements, news and sports reports for web, entertainment features and public affairs programs. Students will be required to staff regular on-air positions on WHSN-FM. Prerequisite(s): MC 221.

MC 235. Web Reporting. 3 Hours.
This is primarily a writing course in which students learn to generate content for the Web. Assignments require students to produce well-researched materials that include photos, videos, audio, and other mixed media that are available to online journalists. The course also introduces students to blogging, and requires students to post weekly blogs online. Prerequisite(s): MC 114.

MC 236. History of Mass Communications. 3 Hours.
This course is a consideration of the inventions, events, and people that have shaped and influenced journalism in the United States, and how mass media and the practice of journalism, in particular, have shaped American history. The course follows the history and contributions of American journalism from colonial times to the Web, in the context of the technical, economic, political, and cultural aspects of American society. Prerequisite(s): MC 101.

MC 240. Feature Writing. 3 Hours.
Building on the reporting and writing skills developed in MC 223 and MC 235, this course offers students practical instruction and editorial guidance in writing publishable feature pieces for magazines and newspapers. Students are expected to write high quality, well-documented articles that demonstrate a mastery of attribution, organization, style and other basic journalism skills. Students are encouraged to learn the effective use of dialogue and narrative techniques, including vivid description and detail. Students also develop techniques to involve the reader emotionally through human interest including drama, pathos, empathy, humor, and curiosity. Prerequisite(s): MC 223 and MC 235.

MC 245. Graphic Design for Print. 3 Hours.
The skillful combining of images and text in designing for print is the core focus of this course. Students integrate topics in typography, image, space, color, and balance as they create projects. It is a working studio class and through demonstrations and hands-on work, students learn to solve visual problems using the industry standard software essential to graphic design professionals today.

MC 255. Sports Play-by-Play. 3 Hours.
This course pulls together the knowledge and skills students have acquired in basic journalism courses, and MC 127 and 227, to focus specifically on the sports play-by-play and color function in sportscasting. Students will learn how to prepare for a game and then do the broadcast on both radio and television. Prerequisite(s): MC 227.

MC 299. Topic/. 1 Hour.
This course listing is intended to provide the opportunity for faculty to offer courses of interest in Mass Communications that would not normally be part of the University curriculum.

MC 301. Career Preparation. 1 Hour.
This course sets students up with all the techniques needed to communicate to prospective employers. Learn effective ways to write cover letters, resumes and produce attention-getting audition tapes (radio and video). Students may even meet a future employer because media professionals conduct mock interviews in this course. Prerequisite(s): College Level=Senior.

MC 314. Cross-Cultural Reporting. 3 Hours.
This course explores issues facing U.S. news media in its struggle to understand an increasingly diverse society. It includes a historical overview of how the media portrays images and constructs messages related to ethnicity, race, gender, class, and sexual orientation, and examines obstacles facing journalists' efforts to improve coverage and newspaper representation. Writing assignments help students prepare to do cross-cultural reporting with sensitivity and accuracy.

MC 316. Advertising Campaigns. 3 Hours.
Advertising Campaigns is an in-depth exploration of the structures and functions used in advertising. From advertising planning and strategy to creative advertising, this course helps each student to discover his/her own approach to lead a successful campaign. Advertising Campaigns covers subjects such as advertising and the marketing process, planning and strategy, account planning and research, media planning and buying, print media, broadcast and interactive online media, internet media, broadcast and interactive media strategy, creative advertising, copywriting design and production, direct-response marketing, sales promotion, public relations, retail and business to business advertising, and international advertising. Prerequisite(s): MC 216 and (BA 321 or MC 220).

MC 317. Public Relations Techniques. 3 Hours.
This course is designed to apply the fundamental principles of public relations. Through case studies and application, students learn how to develop and implement public relations campaigns. Emphasis is on the application of the four-step process in solving public relations problems. In this course, a student carries out public relations research, develops a public relations plan, implements components of that plan, and evaluates the results. Students also explore ethics and legal considerations, measurements and assessment methods, media relations, news conferences, special event planning, and crisis communication. Prerequisite(s): MC 116 and MC 245.

MC 318. TV News Feature Reporting. 3 Hours.
This advanced course focuses on creating news features for either same day broadcast or under an extended deadline with an emphasis on working as a backpack journalist. At least half the semester is academic as students analyze professional works and reading assignments. During the second half, students will shoot their own stories. Emphasis will be placed on writing, natural sound gathering and writing techniques, interviewing, editing, story preparation, shooting stand-ups and self-critique. One week will be devoted to sports features. Prerequisite(s): MC 217.
MC 319. Media Marketing and Sales. 3 Hours.
Media Marketing and Sales explores the unique characteristics of print, broadcast radio and television, cable television and satellite services, the Internet, cell phones, and any media that are supported by advertising. Students learn how the various media channels are measured, how those measurements determine their relative value, the costs of advertising on various media, and how such media is packaged and sold through client relationship management, target market identification and market segmentation principles. More importantly, students learn competitive market strategy and sales and negotiation techniques employed by successful sales people across all industries. Prerequisite(s): MC 220 or BA 320.

MC 320. Broadcast Programming and Management. 3 Hours.
This course focuses on current media management issues facing the broadcast manager in the daily operations of programming, sales, promotion, news, and engineering departments. Curriculum analyzes management theories and approaches in addition to covering topics such as the Telecommunications Act, labor and discrimination law, crisis management, Federal Communication Commission (FCC) rules, and contract and employment law. Prerequisite(s): MC 202 and CT 205.

MC 322. Social Media Marketing. 3 Hours.
This course utilizes a highly interactive format to teach students the tools of social media, how to understand and establish their online profile, and ways to connect with others to market themselves and a business. Learning to effectively use the right tools can help students achieve marketing objectives and better navigate the vast array of marketing methods for managing an online profile and presence. Students will be required to learn and use podcasts, chats, forums, wikis, comment areas, twitter, and picasa productively. They will also be expected to participate as a member of the online community. Prerequisite(s): BA 321 or MC 220.

MC 324. Editorial/Column Writing. 3 Hours.
This course is intended to further hone students’ ability to think critically and logically. Prerequisite(s): MC 223.

MC 325. Radio Promotions. 3 Hours.
This course introduces students to the skills needed to project a consistent brand associated with a radio station, its programs, and its personalities. Students will understand and evaluate the art of promotion as it relates to self, the station, the community, non-profits, artists, and others. Students will learn to create marketing materials designed to retain consistency of brand across multiple delivery platforms along with the skills necessary to track results and discern listener perception. Course expectations will include creating and executing successful radio promotions at the station and at community broadcast locations. Prerequisite(s): MC 231.

MC 327. Advanced Sports Techniques. 3 Hours.
In this course, students will be introduced to the skills needed to project a consistent brand associated with a radio station, its programs, and its personalities. Students will understand and evaluate the art of promotion as it relates to self, the station, the community, non-profits, artists, and others. Students will learn to create marketing materials designed to retain consistency of brand across multiple delivery platforms along with the skills necessary to track results and discern listener perception. Course expectations will include creating and executing successful radio promotions at the station and at community broadcast locations. Prerequisite(s): MC 231.

MC 328. Sports Information. 3 Hours.
Sports Information is an advanced sports journalism course that introduces students to the sports information function and provides extensive practice in sports information work. Topics covered include: writing a sports news release, creating game notes and stats, the function of media passes, scheduling and conducting news conferences, and handling crisis situations. Students get up close and personal to sports information work at the high school, college, and professional levels. Prerequisite(s): MC 227.

MC 329. Digital Illustration for Design. 3 Hours.
Through this course, students learn to create original illustrations using Illustrator and Photoshop software. In addition, they will explore creative 2D image-making techniques usable for a variety of mediums. Drawing tools, image and type manipulation, brushes, patterns and effects will all be implemented in producing high-impact images for commercial as well as expressive applications. Prerequisite(s): MC 245.

MC 330. Mass Communications Internship. 3-9 Hours.
This experiential course is a university approved and supervised work experience with participating employers for Mass Communications students. It provides for the application of classroom learning in a professional work environment. Prerequisite(s): (Major=BS Mass Communications - Journalism or Major=BS Mass Communications - Marketing Communications or Major=BS Mass Communications - Radio Broadcasting or Major=BS Mass Communications - Sports Journalism) and ( College Level=Junior or College Level=Senior).

MC 335. Graphic Design for Print II. 3 Hours.
Graphic Design for Print II continues the study of design principles presented in MC 245. An emphasis is placed on advanced visual problem solving from concept development to final presentation. Through a series of hands-on projects, this course is geared towards being able to take the skills acquired and use them in a variety of settings. Projects for external clients along with those assigned by the instructor will ultimately lead to several professional pieces designed for portfolio use. Prerequisite(s): MC 245.

MC 338. Communication Research Methods. 3 Hours.
In this course, students examine methods used in planning marketing communications campaigns and public opinion surveys. Students also learn to design, interpret, and evaluate research instruments and reports. Prerequisite(s): MS 132.

MC 341. Radio Program Producing. 3 Hours.
This is an advanced course that teaches the unique skills necessary to successfully produce talk, news, and music programs. All of the elements, from board operation and screening calls to booking guests and using archival software programs, come together as students produce programs for broadcast on WHSN. Prerequisite(s): MC 231.

MC 345. Producing/Hosting Public Affairs Show for Radio. 3 Hours.
Public affairs programming focuses on issues of politics and public policy. In this class, students will prepare radio reports on public affairs issues including municipal meetings, the environment, and non-profit organizations. Students will work to improve skills in interviewing, field production, news writing, and radio studio production. The class will also analyze long form public affairs radio and television shows in order to prepare a 15-minute broadcast quality public affairs program to be aired on WHSN-FM. Prerequisite(s): MC 114 and MC 115 and (MC 214 or MC 231).
MC 347. Photojournalism. 3 Hours.
This introductory course in photojournalism and editorial photography will explore the use of the photographic image in narrative, documentary, and editorial form for newspapers, magazines, and internet. Students will be expected to engage in photography on a weekly basis according to industry standards. Assignments will include: sport news, general news, features, sports, editorial portraits, and photo story. Aspects of journalism such as story ideas, research, and picture editing will be addressed. Students will be required to write captions and essays for a majority of photojournalism assignments, and will be required to place their images into pre-designed layouts for editorial assignments. Legal and ethical issues of photojournalism will be explored, along with visual on-location problem solving skills. Prerequisite(s): CT 245 and MC 223 and MC 217.

MC 360. Reporting and Producing TV News. 3 Hours.
In this course, students apply the reporting skills they've developed in MC 115 and MC 217 to report and produce news for television. Students work cooperatively with students in CT 339 and CT 325 classes to report, write, and produce television news packages and ultimately produce an entire newscast, including sports, features, and interviews. Major emphasis is on reporting skills, writing, package and newscast production, and performance. The cooperative dimension of the course helps students understand the critical importance of communicating with colleagues, photographers/editors, directors, and studio crew in creating and presenting television news. Prerequisite(s): MC 115 and MC 217.

MC 400. Ethics in Media. 3 Hours.
Ethics are part of every aspect of life. In this course, students learn the decision making process of applying ethical practices to the media while enjoying exciting classroom debates and projects that explain the journalist’s ethical responsibility. The course utilizes current events along with supplemental textbook cases. Prerequisite(s): College Level=Senior.

MC 406. Media Law and Regulation. 3 Hours.
This course provides an overview of current law pertaining to the regulation of broadcasting and the role of the Federal Communications Commission, the U.S. Congress, and the U. S. Supreme Court. It offers a comprehensive look at landmark court decisions regarding Fairness Doctrine, the Equal Opportunities provision, libel, the First Amendment, and the Freedom of Information Act. Prerequisite(s): College Level=Senior.

MC 418. Marketing Communications Campaigns. 3 Hours.
This capstone course employs public relations skills learned in previous classes to produce work for a non-profit client in a simulated agency setting. Student vision, plans and execution benefit the clients and showcases public relations knowledge. Students are encouraged to use their professional experience and aspirations as well as their personal interests to design and guide their work in the class. Emphasis is on communication skill development, conceptual understanding and production of public relations media including news releases, public service announcements, brochures, fliers etc. Students conclude the class with a portfolio of quality materials that will be put to use by clients. Prerequisite(s): MC 317 and MC 335 and MC 338.

MC 432. Radio Station Management. 3 Hours.
This course is designed to provide academic credit as well as practical experience in performing radio station management duties including positions such as operations manager, program director, news director, music director, traffic manager, and sports director at WHSN-FM. Application of good leadership and management techniques is expected. Through readings and discussion, the role of “manager” and his/her relationship to employers and employees is made clear. These competitive positions are selected by the department head and station manager. Prerequisite(s): MC 341.

MC 437. Producing and Hosting a Sports Show. 3 Hours.
This course pulls together all of the knowledge and skills students have developed in lower level courses, and allows them to produce and host a weekly 15 to 30 minute sports show, featuring local, regional and national sports teams and action. Students produce sports shows for radio and television, and possibly for the Web. This is essentially a capstone experience for students in sports journalism, giving them a chance to hone their reporting, writing and performance skills to create a show that looks and sound good on their audition reel. Prerequisite(s): MC 227 and MC 360.

MC 438. Producing and Hosting a Public Affairs Show. 3 Hours.
Essentially a capstone experience for students in the broadcast journalism concentration, this course draws on the reporting, writing, interviewing, and producing skills students have developed in lower level courses, to produce long-form public affairs programs for radio and television, and for airing online, on WHSN Radio, and on the NESCOM BROADCAST NETWORK. Prerequisite(s): MC 360.

MC 439. Magazine Workshop. 3 Hours.
In this course, students in the print/Web journalism concentration have the opportunity to create, design, report, write and publish an original, non-fiction, online magazine. This is, essentially, the capstone experience for print/Web students, requiring them to exercise advanced skills to produce a publication that clearly demonstrates the knowledge, skills, and abilities they have developed in their time at NESCom. Prerequisite(s): MC 217 and MC 223 and MC 235.

MC 499. Topic/. 1 Hour.
This course listing is intended to provide the opportunity for faculty to offer advanced courses of interest in Mass Communications that would not normally be part of the University curriculum.

MI (MI)

Courses

MI 111. Introduction to Microcomputing. 3 Hours.
The elements of hardware, software and the uses of the microcomputer in today’s society. Hands-on experience includes word processing, spreadsheet, database management, and presentation software.

MI 131. Intro to Information Systems. 3 Hours.
Course surveys the historical, social and technological contexts of modern computing and computer science. Students are exposed to material through lectures and a number of online lab activities.

MI 210. Basic Database Design and Implementation. 3 Hours.
The course provides a strong hands-on overview of relational databases. Using small office database technologies (such as Microsoft Access) students will explore proper database design and construction. SQL is introduced as the primary tool for extracting data out of a database. The course is intended for non-IT majors. IT majors are directed to MI 411.
MI 214. Microcomputer Spreadsheet Applications. 3 Hours.
This course covers microcomputer spreadsheet software. Topics include: functions, decision making, macros, custom menus, importing and exporting.

MI 226. Web Applications. 3 Hours.
Students construct web pages using Hypertext Markup Language (HTML) and JavaScript. Emphasis is on object-oriented thinking and hands on work. Internet technologies including TCP/IP protocols, client/server programming, and security are also discussed. Prerequisite(s): MI 111.

MI 241. Managing and Maintaining a PC I. 3 Hours.
Course develops a base for supporting end-user workstation system. Emphasis is on hands on installation, configuration, and problem solving. Computer hardware and software in a laboratory setting. Prepares the student for the Comp TIA's A+ exams.

MI 242. Managing and Maintaining a PC II. 3 Hours.
A continuation of Managing and Maintaining a PC I. Prepares the student for the Comp TIA's A+ exams. Prerequisite(s): MI 241.

MI 245. Desktop Publishing. 3 Hours.
Students use current software packages to produce a wide range of high-quality interoffice publications such as forms, proposals and directories, and outside-of-organization communications such as flyers, catalogs, annual reports, brochures, newsletters, etc. Students will become familiar with typographic techniques used to create professional-looking documents. The use of basic design and layout features such as white space, graphic elements, and color will be introduced. Accuracy and creativity are essential as the students design and publish functional promotional materials. A professional portfolio containing sample projects is an integral part of the evaluation process.

MI 261. Introduction to Computer Programming I. 3 Hours.
This is a three credit hour course and the first of a two course sequence serving as an introduction to computer programming. The course covers the basic terminology and structure of writing computer software. In addition, the course establishes a solid foundation in the use of the basic building blocks associated with writing software including data types, variables, conditional and looping constructs, error handling, and debugging. Throughout the course, students will be introduced to and expected to follow industry standards and best practices of the software development discipline.

MI 262. Introduction to Computer Programming II. 3 Hours.
This is a three credit hour course and the second of a two course sequence serving as an introduction to computer programming. The course covers the basic terminology and structure of writing computer software. In addition, the course builds upon the solid foundation in the use of the basic building blocks associated with writing software including arrays, collections, classes, file I/O, and database connections. Throughout the course, students will be introduced to and expected to follow industry standards and best practices of the software development discipline. Prerequisite(s): MI 261.

MI 299. Topic/. 3 Hours.
This course is of variable content with selected topics presented to provide prerequisites for specifically identified additional coursework in CIS. The course emphasizes independent investigation and the fundamental principles of computing and information technology.

MI 321. Systems Analysis & Design. 3 Hours.
Methodology for the investigation analysis and general design, detailed design, and implementation of computer information systems is covered. Comprehensive case studies are used to illustrate the phases of CIS project development. Topics presented for system development include data flow diagrams, normalization, RAD, extreme programming (XP), software development life cycle (SDLC), and program specifications. Prerequisite(s): MI 261.

MI 322. Decision Support and Expert Systems. 3 Hours.
These systems are designed to synthesize what is known about the business application and to make that knowledge available to and effective in the hands of working decision-makers. Topics covered include artificial intelligence, natural language systems, expressing rules, and dealing with uncertainty. Expert system development software is used. Prerequisite(s): MI 111.

MI 325. Algorithms and Data Structures I. 3 Hours.
This is a three credit hour course and the first of a two course sequence serving as an introduction to the algorithms and data structures utilized in computer programming. The course covers the basic data structures used in software development including lists, sorted lists, stacks, queues, sets, and graphs and their implementations. For algorithms, the students will be introduced to a number of algorithm designs including greedy and divide-and-conquer, and specific algorithms including resizing arrays, shortest path, and spanning trees. Prerequisite(s): MI 261.

MI 326. Algorithms and Data Structures II. 3 Hours.
This is a three credit hour course and the second of a two course sequence serving as an introduction to the algorithms and data structures utilized in computer programming. The course covers the basic data structures used in software development including lists, sorted lists, stacks, queues, sets, and graphs and their implementations. For algorithms, the students will be introduced to a number of algorithm designs including greedy and divide-and-conquer, and specific algorithms including resizing arrays, shortest path, and spanning trees. Prerequisite(s): MI 325.

MI 331. Networking. 3 Hours.
This course covers the different types of networking topologies: client-server, peer-to-peer, and network administration. Practical aspects include setting up a network, hardware maintenance, and hands-on experience.

MI 332. Advanced Networking. 3 Hours.
This course builds upon basic network knowledge. Topics covered include network topology, infrastructure, hardware, segmentation, and troubleshooting as networks increase in scale and complexity. Security threats will be examined to protect data assets from internal and external threats. Prerequisite(s): MI 331.

MI 333. Computer Forensics. 3 Hours.
This course will focus on the investigative use of computer technologies and electronic records. Students will be exposed to “digital evidence” and the valuable information it can provide to investigators. The course will have a two-tier approach. (1) Students will be shown how to extract readily decipherable information from someone’s computer such as looking for at their files or their browser history of web sites visited. Even if the information is password protected or has been deleted it might still be recoverable. (2) The course will examine criminals who use computers and the Internet to commit various crimes ranging from trying to lure children into chat rooms or face-to-face meetings to every sort of financial fraud. This course is intended to address a growing need in law enforcement. Prerequisite(s): Major=BS Comp Info Systems or Major=BS Criminal Justice.
MI 341. Managing and Maintaining a Windows Server I. 3 Hours.
Course builds on fundamentals developed in MI 241-242 to detail the challenges and technology of distributed system management. Example topics include Configuration Management, Backup/Disaster Recovery, User Management, Data Management, Application Management, Logistics and Licensing. Prerequisite(s): MI 242.

MI 342. Managing and Maintaining a Windows Server II. 3 Hours.
Course is a continuation of MI 341 Managing and Maintaining a Windows Server I. This course focuses on network configuration and security of the server. Prerequisite(s): MI 341.

MI 351. Information System Internship. 3 Hours.
Cooperative Education is a College-supervised work experience course with participating employers in business and nonprofit organizations that provide a practical application of classroom theory. Prerequisite(s): College Level=Junior or College Level=Senior.

MI 352. Information System Internship. 3 Hours.
Cooperative Education is a College-supervised work experience course with participating employers in business and nonprofit organizations that provide a practical application of classroom theory. Prerequisite(s): College Level=Junior or College Level=Senior.

MI 353. Information System Internship. 3 Hours.
Cooperative Education is a College-supervised work experience course with participating employers in business and nonprofit organizations that provide a practical application of classroom theory. Prerequisite(s): College Level=Junior or College Level=Senior.

MI 354. Information System Internship. 3 Hours.
Cooperative Education is a College-supervised work experience course with participating employers in business and nonprofit organizations that provide a practical application of classroom theory. Prerequisite(s): College Level=Junior or College Level=Senior.

MI 361. Java I. 3 Hours.
This course focuses on problem solving using an object-oriented programming language. Emphasis is on programming using modern practices. Prerequisite(s): MI 262.

MI 362. Java II. 3 Hours.
This course builds on language used in MI 361. Explores advanced use of the language including packages for data access and web server scripting. Prerequisite(s): MI 361.

MI 411. Database Design. 3 Hours.
The design of a database as part of the CIS development process is covered in detail. The theory and practical application of both relational and network databases is included. Normalization and SQL are also covered in detail.

MI 421. Project Management Techniques. 3 Hours.
Projects are undertakings, which must be completed within cost, schedule and quality constraints. This course provides the student with practical methodology for planning and managing large or small projects effectively. Software such as Microsoft Project for Windows® is used.

MI 422. Information System Project Development. 3 Hours.
A comprehensive project in CIS is undertaken. The team approach is used to plan, manage and implement a realistic CIS project of moderate complexity. Prerequisite(s): MI 421.

MI 499. Topic/. 1-3 Hour.
This is a course of variable content. Faculty and students prepare a special topic of timely interest in the area of management information systems. The course may consist of seminars, individualized instruction and/or research related to a specific area of specialization.

ML (ML)

Courses

ML 100. Leadership Laboratory. 0 Hours.
Laboratory course.

ML 101. Foundations of Officership. 1 Hour.
ML 101 introduces you to the personal challenges and competencies that are critical for effective leadership. You will learn how the personal development of life skills such as goal setting, time management, physical fitness, and stress management relate to leadership, officer ship, and the Army profession. The focus is on developing basic knowledge and comprehension of Army leadership dimensions while gaining a big picture understanding of the ROTC program, its purpose in the Army, and its advantages for the student.

ML 102. Basic Leadership. 1 Hour.
ML 102 overviews leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. You will explore dimensions of leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises.

ML 105. Leadership and Physical Fitness. 1 Hour.
This course is a requirement for commissioning as a 2nd Lieutenant in the United States Army. The course is a study of the United States Army physical fitness program, including aerobic exercises and strength-building programs, which improve actual leadership and fitness opportunities. Physical Training (PT) is an expectation that the students will be required to attend. PT will be conducted on campus three times a week with one day being mandatory. This 105 course is taken once during the student’s time as a cadet with the Battalion. There is no military obligation associated with this course.

ML 201. Individual Leadership Studies. 2 Hours.
ML 201 explores the dimensions of creative and innovative tactical leadership strategies and styles by studying historical case studies and engaging in interactive student exercises. Cadets practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises. Focus is on continued development of the knowledge of leadership values and attributes through an understanding of rank, uniform, customs, and courtesies. Leadership case studies provide tangible context for learning the Soldier’s Creed and Warrior Ethos as they apply in the contemporary operating environment (COE).

ML 202. Leadership and Teamwork. 2 Hours.
ML 202 examines the challenges of leading tactical teams in the complex contemporary operating environment (COE). This course will highlight dimensions of terrain analysis, patrolling, and operation orders. Continued study of the theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations. ML 202 provides a smooth transition into ML 301. Cadets develop greater self-awareness as they assess their own leadership styles and practice communication and team building skills. COE case studies give insight into the importance and practice of teamwork and tactics in real-world scenarios.

ML 301. Leadership and Problem Solving. 3 Hours.
Students conduct self-assessment of leadership style, develop personal fitness regimen, and learn to plan and conduct individual/small unit tactical training while testing reasoning and problem-solving techniques. Students receive direct feedback on leadership abilities.
ML 302. Leadership and Ethics. 3 Hours.
Examines the role of communications, values and ethics play in effective leadership. Topics include ethical decision making, consideration of others, spirituality in the military and surveys Army leadership doctrine. Emphasis on improving oral and written communication abilities.
Prerequisite(s): ML 301.

ML 350. The Evolution of American Warfare. 3 Hours.
Historical analysis of American theory of warfare from colonial period through Operation Desert Storm and the applications of Force XXI. Social, economic and political influences are examined, tracing the evolution of the American military, the development of a global military strategy, imprints of the social fabric of the nation on the military as the United States evolved into a world power. Additionally, the student will examine the effects of institutions on organization structures. Technology and the practice of warfare is emphasized.

ML 390. Cultural Understanding and Language Proficiency (CULP). 3 Hours.
Cultural Understanding and Language Proficiency (CULP) is a 30 day, deployment that has a mission that supports the United States Embassy’s strategic plan for that particular country. Many of these missions are performed in VERY austere conditions which include unusual living conditions, foods, and risks of common traveler’s illnesses. However during these missions, Students receive an education experience unmatched by anything you will do in a college classroom.

ML 401. Leadership and Management. 4 Hours.
Develop student proficiency in planning and executing complex operations, functioning as a member of a staff and mentoring subordinates. Students explore training management, methods of effective staff collaboration, and developmental counseling techniques.
Prerequisite(s): ML 302.

ML 402. Officership. 4 Hours.
Study includes case study analysis of military law and practical exercises on establishing an ethical command climate. Students must complete a semester long senior leadership project that requires them to plan, organize, collaborate analyze and demonstrate their leadership skills.
Prerequisite(s): ML 401.

ML 410. Cadet Troop Leader Training. 3 Hours.
The Cadet Troop Leader Training (CTLT) provides Students the opportunity to experience leadership in Army Table of Organization and equipment (TO&E) units throughout the Army over a three to four week period during the summer following the junior year. Students must compete to be nominated by Cadre to participate in the program. CTLT provides Students with a real-time opportunity to lead enlisted Soldiers while serving as an “intern” Platoon Leader before they commission as 2nd Lieutenants in the U.S Army.

ML 420. Cadet Leadership Course. 3 Hours.
The Cadet Leadership Course (CLC) is a 30 day, scenario driven, training event focused on solving complex problems at the company-level. Students arrive at CLC with a baseline of military skill sets; the Students also have developed critical thinking and problem solving abilities during the academic years. CLC builds upon work accomplished on campus and develops the student’s small unit leadership ability in a tactical environment. The leadership experience supports continued student development during their senior year.

Courses
MS 093. Core Arithmetic and Algebra. 4 Hours.
Core Arithmetic and Algebra provides a review of necessary concepts and skills required for success in general education college mathematics, and serves as preparation for MS141 Contemporary College Algebra. The course does not count toward the degree. A minimum grade of C is required. Four credit hours.

MS 115. Quantitative Literacy. 3 Hours.
Quantitative Literacy provides a college level experience that focuses on the process of interpreting and reasoning with quantitative information. Students are expected to build on prior understanding of mathematical models and applications, while integrating concepts from logic, algebra, geometry, probability and statistics. Understanding the language of mathematics, developing strategies and interpreting results, are learned via a context driven approach requiring a willingness to think about quantitative issues in new ways. The three credit course meets general education quantitative literacy requirement. Prerequisite(s): MS 111 or MS 242 or MS 141 or MS 180 or MS 181.

MS 131. Logic and Problem Solving. 3 Hours.
This course is designed to develop logical thought processes and to lead to critical forms of reading and thinking. Topics include statement forms and types of statement connectives. Techniques of problem solving are taught.

MS 132. Probability and Statistics. 3 Hours.
This course is an introduction to the theory and application of probability and statistical analysis. Both descriptive and inferential techniques will be studied, with emphasis placed on statistical sampling and hypothesis testing. Also considered will be linear regression, contingency table analysis, and decision-making under uncertainty.

MS 141. Contemporary College Algebra. 4 Hours.
Contemporary College Algebra provides students a college level academic experience that emphasizes the use of algebra and functions in problem solving and modeling, provides a foundation in quantitative literacy, supplies the algebra and other mathematics needed in partner disciplines, and helps meet quantitative needs in, and outside of, academia. Students address problems presented as real world situations by creating and interpreting mathematical models. Solutions to the problems are formulated, validated, and analyzed using mental, paper and pencil, algebraic, and technology-based techniques as appropriate. Four credit hours.

MS 150. History of Mathematics. 3 Hours.
This course introduces students to the development of mathematics from ancient to modern times, with emphasis on methods and techniques of particular times and cultures. The course also explores the connections between mathematics and other types of academic or artistic thought of a specific period, as well as the influence of mathematics on various societies. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

MS 180. Precalculus with Trigonometry. 4 Hours.
This course is intended to prepare students for MS 181 Calculus with Applications as well as providing instruction in trigonometry to support subsequent studies in physics, chemistry, and mathematics. Emphasis is on the analysis of elementary functions and modeling, including polynomial and rational functions, exponential and logarithmic functions, and trigonometric functions. Topics in analytic trigonometry and analytic geometry are also included. Four credit hours.
MS 181. Calculus with Applications. 4 Hours.
This course provides an introduction to single variable calculus and its application. Emphasis is on conceptual understanding of the major ideas of calculus including limits as models of approximation, derivatives as models of change, and integrals as models of accumulation. Concepts are explored by combining, comparing and moving among graphical, numerical, and algebraic representations. This course serves as a prerequisite for MS182 Calculus II. Four credit hours. Prerequisite(s): MS 180.

MS 182. Calculus II. 4 Hours.
This course is a continuation of MS181 Calculus with Applications. Prepares students for subsequent studies in mathematics, science, and business. Topics include concepts and applications of numerical integration, applications of integration, antidifferentiation, function approximation, improper integrals, and infinite series. Emphasis on concepts, complementing symbolic with graphical and numerical points of view. Integrates technology to support pedagogy and computation. Four credit hours. Prerequisite(s): MS 180.

MS 221. Number Theory. 3 Hours.
In this course, students will explore the structure and properties of the integers and some natural generalizations. Topics covered include unique factorization into primes, modular arithmetic, Fermat’s Little Theorem and its applications, and may also include quadratic reciprocity, simple arithmetic functions, diophantine equations, factorization methods, primality testing, and cryptography. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

MS 230. Multivariable Calculus. 4 Hours.
Extends the notions of single-variable Calculus to functions of several variables. Includes vector-valued functions, arc length, curvature, partial differentiation, the chain rule, and grad, div, curl, as well as iterated integrals. Prerequisite(s): MS 182.

MS 232. Finite Mathematics. 3 Hours.
In this the student studies the algebraic development of linear and nonlinear equations and inequalities. Topics include math of finance, analytic geometry, linear systems of equations and inequalities, matrix theory, and linear programming. This course is designed as a continuation for those students who have taken Ms 111. Prerequisite(s): (MS 111 or MS 141 or MS 242 or MS 180 or MS 181).

MS 241. Linear Algebra with Applications. 3 Hours.
This course begins with a generalized study of systems of linear equations, developing the notion of vectors and matrices. From these ideas naturally follows the study of vector spaces of dimension three or larger, including bases, eigenvalues, eigenvectors, and matrix representations of linear transformations and change of bases. Applications discussed may include computer graphics, facial recognition, (internet) search optimization, linear programming, cryptography, Leontief economic analysis. Prerequisite(s): MS 181.

MS 250. Introduction to Proof. 3 Hours.
This course provides an introduction to the notion of mathematical proof, including a variety of techniques such as proof by contradiction and proof by mathematical induction. Topics covered typically include elementary logic, set theory, number theory, or abstract algebra, although no background is assumed in any of these areas. Students learn how to write proofs using proper notation, clear and concise language, in part by multiple revisions of their own work and critiques of others. Prerequisite(s): MS 180.

MS 251. Discrete Mathematics. 3 Hours.
This course introduces abstract mathematical structures used to represent discrete objects, including sets, permutations, relations, graphs, and trees. Emphasis is on mathematical reasoning, combinatorial analysis, and algorithmic thinking. Applications of the material are selected from subject areas ranging from computer science to geography. Prerequisite(s): MS 180.

MS 258. Introduction to Differential Equations with Linear Algebra. 4 Hours.
Differential Equations is the study of how to identify a function from equations involving the derivatives of the function. These types of equations arise naturally in a number of places, among them biological population models, radioactive decay, heat diffusion, motion. A variety of techniques will be explored, such as separation of variables, integrating factors, variation of parameters, undetermined coefficients, and the Laplace transform. This course also includes an introduction to elementary linear algebra. Prerequisite(s): MS 182.

MS 273. Introduction to Cryptography. 3 Hours.
This course introduces students to the rapidly growing field of cryptography, an application of algebra. Cryptography is an indispensable tool for protecting information in computer systems. This course explains the inner workings of cryptographic primitives and their applications. Topics range from classical cryptosystems, some of which are thousands of years old, to the cutting-edge area of quantum cryptography. Relevant topics from number theory will be covered as well. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

MS 299. Topic. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in mathematics that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

MS 332. Applied Statistics. 3 Hours.
This course introduces students to the study of regression and statistical modeling. After a brief review of basic statistics concepts, students will study simple linear regression, multiple linear regression, regression diagnostics, transformations, model selection procedures, common difficulties encountered with regression analysis, and other topics as time permits. Statistical software will be used to summarize data sets and build models. Prerequisite(s): MS 132.

MS 345. Biostatistics. 3 Hours.
Biostatistics encompasses the application and use of statistical procedures for the purposes of obtaining a better understanding of variations in data and information on living systems. Students will become familiar with one, or more, statistical software packages which will have descriptive and analytic statistical capabilities as well as report writing capacity. This course will instruct students on how to use and interpret data and information through the application of the principles of statistical inference. Specific diseases and public health issues will be discussed as examples to illustrate the application and use of biostatistical principles. Prerequisite(s): SC 224 or SC 383.

MS 411. Introduction to Abstract Algebra. 3 Hours.
This is a first course in Abstract Algebra, the language of modern mathematics. This course introduces students to this language through a study of groups, rings, integral domains, and unique factorization domains. Applications of abstract algebra to such fields as physics, chemistry, and computer science will be explored as well. Prerequisite(s): MS 181 and MS 250.
MS 412. Abstract Algebra II. 3 Hours.
This is a second course in Abstract Algebra, focusing on the principles of Galois theory. Topics include fields, algebraic extensions, normal extensions, and further study of groups and rings. Prerequisite(s): MS 411.

MS 421. Introduction to Mathematical Analysis. 3 Hours.
This course formally introduces main concepts in the field of real analysis, the mathematical analysis of functions of a real variable. Although Calculus was discovered independently by Newton and Leibniz in the seventeenth century, the mathematics behind it was not formalized until the nineteenth century. Mathematical analysis formalizes the delta-epsilon definition of limit and related concepts, including limits which are used in calculus to define derivatives and integrals, thus making precise the mathematics behind the calculus. Prerequisite(s): MS 182.

MS 430. Introduction to Probability and its Applications. 3 Hours.
This course is designed to provide a strong basis in probability for students who may go on to deeper studies of statistics, mathematics, engineering, business, or the physical and biological sciences. Topics include foundations of axiomatic probability, conditional probability and independence, discrete and continuous probability distributions, multivariate distributions, and limiting distributions. Applications of the material will be selected from subject areas ranging from epidemiology to securities trading. Prerequisite(s): MS 182.

MS 431. Complex Analysis. 3 Hours.
Functions of complex variables are of surprisingly great importance in numerous branches of pure mathematics. Analysis of such functions is a key tool in the proofs of many theorems concerning seemingly unrelated branches of mathematics, such as the famous Prime Number Theorem regarding the distribution of the prime numbers. Complex Variables also play a crucial role in a number of branches of science, including physics and engineering. This course touches upon the purely mathematical aspects of complex analysis while also applying the concepts to a wide array of real-world problems in the sciences. Prerequisite(s): MS 182 and MS 230.

MS 441. Introduction to Numerical Analysis. 3 Hours.
This course introduces algorithms commonly deployed for solving numerical computation problems formulated in science and engineering. Emphasis is on issues of implementation, including the accuracy, computational efficiency, and stability of each algorithm considered in the course. Topics are chosen from the numerical solution of nonlinear equations, interpolation and polynomial approximation, numerical integration and differentiation, numerical linear algebra, initial and boundary value problems for ordinary differential equations, and least squares approximations. Prerequisite(s): MS 230 and MS 241.

MS 450. Modeling and Simulation. 3 Hours.
This course introduces computer simulation as a research tool through its application to problems from calculus, differential equations, linear algebra, graph theory, dynamical systems, and physics. Prerequisite(s): MS 181 and MS 182 and MS 216.

MS 451. Nonlinear Dynamics. 3 Hours.
This course will add another option for the math minor, and would be an elective in a mathematics major (when/if that major becomes available). Biology and chemistry students would also benefit from this elective as well since many of the equations and models studied are biological or chemical in origin. Prerequisite(s): MS 258.

MS 454. Topology I. 3 Hours.
Sometimes referred to as rubber-sheet geometry, topology is the branch of geometry concerning those properties which remain unchanged by any bending or stretching, as long as there is no cutting or pasting. Topics will include topological spaces, open and closed sets, continuous functions, interior and limit points, boundary, compactness and connectedness. Also, students will learn how to construct new topological spaces from old ones. The course will include a final project involving an introduction to some more advanced concepts. Prerequisite(s): MS 181.

MS 456. Euclidean and non-Euclidean Geometries. 3 Hours.
This course begins with a thorough and rigorous treatment of Euclidean plane geometry, including classical proofs, straightedge and compass constructions, trigonometry, the dot product and the Euclidean Parallel Postulate. The course continues with a study of Elliptical geometry, in which the curvature is positive, and there are no parallel lines, and the angle sum of any triangle is bigger than 180 degrees and Hyperbolic geometry, where there is negative curvature, and there are infinitely many parallel lines through a given point not on a given line. Other examples considered include crochet, tessellations and the art work of the famous artist M.C. Escher, the film Flatland and Professor Thomas Banchoff's film on the Hyper-Cube. The course concludes with a discussion of possible implications and generalizations including the geometry of other kinds of surfaces such as the torus. Prerequisite(s): MS 181.

MS 499. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer advanced courses in mathematics that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

NU (NU)

Courses

NU 100. Professional Concepts in Nursing. 3 Hours.
The major focus of this course is on preparing students for the rigorous nursing curriculum. Topics include the essence of baccalaureate nursing and the curriculum design. Also included are discussions aimed to enhance student success, including self assessment and identification of learning styles. The major concepts of this nursing course will provide a framework for the individual’s program of study. They include, but are not limited to, critical thinking, the nursing process, teaching/learning, and an introduction to ethical and legal concerns in the nursing profession.

NU 208. Health Assessment. 4 Hours.
The emphasis of this course is on the health assessment of an adult. Evidence-based health promotion and disease prevention goals, risk assessment, and client education are highlighted. In the classroom and clinical laboratory, the student will learn to gather subjective and objective data about a client’s health status utilizing face- to-face interviews and physical examination techniques, as well as by making use of a digital clinical experience. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222.
NU 211. Nursing Intervention I. 3 Hours.
This course introduces concepts of patient care and basic nursing interventions used in caring for individuals throughout the lifespan. Learners will use the classroom and skills laboratory to gain beginning competence in nursing theory, nursing process, basic nursing skills, therapeutic communication, and critical thinking. Students will also develop an awareness of diverse cultural beliefs and values in relation to health care. A major focus will be on the nurse’s role in the safe delivery of care. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222 and SC 180 and SL 180 and NU 100 and (MS 141 or MS 180 or MS 181).

NU 212. Nursing Intervention II. 4 Hours.
This course is the second half of NU 211 and focuses on knowledge and skills that are fundamental to nursing care throughout the lifespan and regardless of disease entity. Using the classroom, lab, and clinical placements, learners will demonstrate competence in the application of the nursing process in the planning and delivery of nursing care. Themes of growth and development, cultural diversity, evidence-based practice, and critical thinking will be threaded throughout. Skills and knowledge learned in this course are foundational to learning throughout the rest of the curriculum. Prerequisite(s): NU 211.

NU 214. Pharmacology. 3 Hours.
This course builds upon students’ knowledge of anatomy, physiology, chemistry and the nursing process. It is designed to provide the knowledge required for the safe administration of drugs and teaching with patients across the life span. Actions, therapeutic uses, interactions and side effects of major drug classifications, as well as nursing responsibilities related to drug administration to patients across the life span are examined. Prerequisite(s): NU 211.

NU 299. Topic/. 1 Hour.
Selected topics in nursing are considered. The course enhances students’ knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 315. Child Health. 5 Hours.
This course addresses the care of ill children and their families. Adaptation theory will be used as the theoretical framework for nursing assessments, interventions, and evaluations. The nursing process is applied relative to this population. This course encompasses diagnostic and therapeutic techniques. Clinical opportunities are provided in the acute care setting. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234.

NU 320. Nursing Research. 3 Hours.
Students will understand the basic concepts, processes, and applications of quantitative and qualitative research. Students will analyze the role and implications of nursing research and research within other disciplines on the nursing profession. Prerequisite(s): MS 132.

NU 322. Adult/Family Health I. 5 Hours.
This course facilitates the integration of knowledge and skills acquired from previous courses. The emphasis is on understanding the nurse’s role in uncomplicated acute and chronic illness with predictable outcomes within changing practice environments across the spectrum of health and illness. In a learner-centered classroom and simulation environment, analytical and experiential learning activities are provided which encourage active participation in demonstrating clinical reasoning and judgment in meeting the health care needs of clients/family. The goal is for the learner to be able to approach client care conceptually, so that care is designed with a focus on prioritization and solid understanding of rationales. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 333 and SC 234.

NU 323. Adult/Family Health II. 5 Hours.
This course facilitates students’ integration of knowledge gained from previous courses, and expands students’ knowledge from previous learning experiences. Theoretical and conceptual models and related research provide the foundation for expanding health assessment and clinical practice skills. Analytical and experiential learning activities are provided which encourage active participation in demonstrating decision-making skills and judgment in meeting the health care needs of clients/family. Prerequisite(s): NU 208 and NU 211 and NU 212 and NU 214 and SC 233 and SC 234 and NU 322.

NU 324. Maternal and Newborn Nursing. 5 Hours.
The focus of this course is the childbearing family. Concepts related to preconception, pregnancy, the fetus/newborn, and the post delivery family are presented. Physiologic, social, and cultural issues, as they relate to the childbearing family, are included. Clinical experiences occur in a variety of settings, including inpatient, educational, and community settings. Prerequisite(s): SC 233 and SC 234 and SC 241 and NU 208 and NU 211 and NU 212 and NU 214.

NU 412. Community Health. 5 Hours.
This course builds upon the student’s broad base of knowledge in the natural and social sciences, humanities, and previous nursing content. Attention is directed toward assessment of biopsychosocial stressors of the individual, family, group, and community and their adaptation to changes in the environment. Prerequisite(s): NU 322 and NU 323 and NU 324 and NU 320 and NU 315.

NU 422. Community Mental Health. 5 Hours.
This course focuses on behaviors, which occur when individuals, families, and groups in the community are unable to cope effectively with acute and chronic biopsychosocial and cultural stressors. Relevant theories and theoretical formulations are used in order to promote an understanding of individual, family, group, and community dynamics. Within the framework of the nursing process, self-knowledge and intervention skills are developed which allow the student to assist individuals, families, and groups in their adaptation to internal and external stressors. Prerequisite(s): NU 320 and NU 322 and NU 323 and NU 324 and NU 315.

NU 424. Adult / Family Health III. 3 Hours.
This course is the last in a sequence of adult health. It is designed to integrate and expand previous learning, clinical and leadership experiences of the student. Students will participate in scenarios that require them to critically analyze and apply research, theories and educational models of teaching/learning processes. Clinical practice provides the opportunity to synthesize knowledge and demonstrate diagnostic reasoning, critical decision-making and delegation. Engaged ethical and clinical reasoning occurs with student’s involvement in the management of adult, family, and groups in complex clinical health care situations with expert nurse partners and faculty. This partnership creates a way to understand and guide analytical and experiential learning. These clinical partnerships take place in a variety of clinical settings. Prerequisite(s): NU 322 and NU 323.

NU 425. Nursing Senior Capstone. 1-2 Hour.
The capstone course is an opportunity for the student to demonstrate that he or she has achieved the terminal outcomes of the Husson/EMMC Baccalaureate Nursing Program. The capstone promotes connection between knowledge, skills, and attitudes learned in both general education and nursing courses. This course is student centered and student directed and will facilitate the graduate’s transition to the professional world. Prerequisite(s): NU 315 and NU 320 and NU 322 and NU 324.
NU 426. Policy Leadership and Management in Nursing. 3 Hours.
This course provides a conceptual and practical basis for examining professional nursing leadership roles. Emphasis is placed on accountability in regulated systems, management of complex organizations, and principles of advocacy aimed at the promotion of health and quality health systems. Prerequisite(s): College Level=Senior.

NU 431. Wound Management. 3 Hours.
Focus is on utilization of the Nursing Process in the provision of care to clients with chronic wounds. Emphasis is placed on client/family education and the use of evidence-based practice in wound management. Prerequisite(s): NU 208 and NU 212.

NU 432. Caring, Spirituality & Culture. 3 Hours.
This course is designed to provide the undergraduate nursing student with a working knowledge of how the concepts of caring, culture and spirituality influence health status and health related behaviors. The focus of the course is to explore these concepts, their meanings and implications, and to utilize the concepts when providing or planning holistic nursing care for diverse clients, families, groups, and communities.

NU 433. Gerontological Nursing. 3 Hours.
Course is to address the professional nursing role in providing and coordinating health care for the elderly population. Content provided is to address physical, emotional, social and spiritual needs of older adults. The nursing process will identify individual and family issues for professional nurse to serve as a conduit for skills and information to promote successful aging. Prerequisite(s): NU 208 and NU 212.

NU 435. History of Women's Health. 3 Hours.
An elective course that explores the progression of the women’s health movement in the U.S. from the 1800’s to present day. Ideas about women's bodies as an entity of wellness and illness in the context of medicine and the feminist movement will be discussed and researched in this seminar-type class. The student will gain an understanding of the struggles as well as the accomplishments of important historical figures and their concepts. Traditional women healers from lay to professional will be researched for an understanding of how women receive health care in 2008. Race, ethnicity, disability, sexuality and class will be examined looking at individual perspectives of health and care. Prerequisite(s): NU 208 and NU 212.

NU 441. Role Transition to BSN. 3 Hours.
In this course, students examine the transition of the Registered Nurse (RN) to the professional role of nursing an advanced degree at the baccalaureate or graduate level. As the entry course for the RN-to-BSN program, students are provided with networking and mentoring opportunities with peers and faculty. Professional bases for nursing practice, critical abilities for today's professional nurse, and role of continuous quality improvement and safety in healthcare systems are explored. This course is offered in a hybrid format.

NU 442. Health Informatics & Technology. 3 Hours.
In this course, students explore the changing technology environment and its potential impact on the delivery of quality, safe patient care. The course combines knowledge of nursing, computers and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: (a) technology's impact on nursing work flow, (b) legal and ethical considerations associated with select technology, and (c) the impact of technology on the changing role of the nurse. This course is offered in a hybrid format.

NU 443. Quality Improvement in Healthcare Systems. 3 Hours.
In this course, students are introduced to competencies necessary for studying clinical microsystems and examining their influence on patient safety, satisfaction, and other clinical outcomes. Students will apply: (a) quality improvement assessment tools and models within a microsystem, (b) continuous quality improvement theory, (c) evidence-based practice, (d) performance improvement methods, and (e) the development of team-based problem solving and resolution. This course is offered in a hybrid format.

NU 444. BSN Capstone Practice (with 42 Practicum Hours). 3 Hours.
This is the culminating scholarly experience in the RN-to-BSN program of study. Students will focus on synthesis and integration of complex concepts relevant to their scope of practice, and leadership and management skills in complex organizational environments. Emphasis is placed on the application of leadership principles through an evidence-based capstone project. This course is offered in a hybrid format. Prerequisite(s): NU 441 and NU 442 and NU 443 and NU 706 and NU 710 and NU 740.

NU 499. Topic/. 1-3 Hour.
Selected topics in nursing are considered. The course enhances students' knowledge of professional nursing, building upon previous knowledge of the nursing and research processes. Emphasis is placed on increasing awareness of current professional issues in nursing.

NU 700. Theories and Roles for Advanced Nursing Practice. 3 Hours.
This course is designed to provide an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. The importance of the role of the Advanced Practice Nurse in Interprofessional Collaboration is also explored. Emphasis is placed on the relevant historic, current and future practice issues inherent in the varied aspects of advanced practice nursing. The course also examines legislative issues and trends at both state and national levels, as they relate to the effective and appropriate role of advanced practice nurses within our rapidly changing healthcare system.

NU 701. Theories for Advanced Nursing Practice. 2 Hours.
This course provides an opportunity to analyze theoretical concepts, principles and processes from nursing and related disciplines to guide advanced clinical practice and role development. These theories reflect important contributions from both the nursing profession and non-nursing disciplines. The course provides a historical perspective and analysis of nursing theorists from Nightingale to emerging theorists and includes an introduction to theories fundamental to advanced practice nursing, such as role theory and family nursing theory.

NU 702. Advanced Pharmacotherapeutics. 3 Hours.
This course builds upon undergraduate understanding of pharmacological principles and agents by preparing students to evaluate and prescribe medications for common acute and chronic health problems seen in the primary care setting. Students will examine the regulatory aspects of drug administration and prescription from the perspective of advanced nursing practice. The focal point of the class will be the development of clinical decision-making skills essential to safe and effective pharmacologic intervention. Current concepts in pharmacologic therapies as part of the treatment of commonly encountered health problems will be stressed. The importance of collaboration between Advanced Practice Nurses and Pharmacy colleagues will be addressed, particularly in regard to patient safety and treatment efficacy. Prerequisite(s): NU 700 and NU 706.
NU 703. Roles for Advanced Nursing Practice. 2 Hours.
This course provides an in-depth analysis of the role of the advanced practice nurse. That knowledge is needed to conceptualize and identify with relevant historic, current and future practice issues inherent in the role. Both state and national legislation and trends are addressed, as they relate to the effective and appropriate use of advanced practice nurses within the rapidly changing healthcare system.

NU 704. Advanced Health Assessment. 3 Hours.
The focus of this course is the assessment of total health status of adult patients. The course is designed to enable the student to develop diagnostic reasoning skills and to utilize a regional approach to physical examination. Instruction builds upon the health assessment skills of the experienced RN/BSN and includes a laboratory practicum that provides the student with opportunities to apply new knowledge and practice in the areas of physical examination. Students will perform complete physical exams on each other and standardized patients – obtaining health histories, performing physical examinations and documenting findings. Along the way, students will learn more about the importance of providing high-quality care that is culturally competent, the process of developing a list of Differential Diagnoses and appropriate ordering of diagnostics. Prerequisite(s): NU 700 and NU 706.

NU 705. Advanced Psychopharmacology. 3 Hours.
This course reviews the application of pharmacotherapeutic principles to psychiatric disorders across the lifespan. Major class of medications include antidepressants, mood stabilizers, psychostimulants, antipsychotic medications, anxiolytics and off label use. Students review in detail the indications, contraindications, side effects and adverse reactions and drug interactions. In addition, the course addresses the use of herbal remedies, homeopathy and diet. The course places special emphasis on the applications of psychopharmacology to clinical case studies across the lifespan, including children, adolescents, adults, and geriatric populations. Prerequisite(s): NU 700 and NU 702 and NU 706 and NU 707.

NU 706. Advanced Pathophysiology. 3 Hours.
This course examines the reaction of the body to disease throughout the lifespan. Using a conceptual approach that is designed to integrate knowledge from basic and clinical sciences, it focuses on alterations in biological processes which affect the body’s dynamic equilibrium. Alterations at the cellular and organ level are presented and include genetic, metabolic, infectious, immunologic, degenerative, and neoplastic processes. Clinical problems will be developed and explored to facilitate the acquisition of critical thinking, problem-solving and evaluation skills needed by practitioners in the management of clients with chronic and acute health problems.

NU 707. Neurobiology. 3 Hours.
This course focuses on the study of brain, mind and behavior and examines the neuroanatomical, neurophysiological, and biochemical foundations of cognition, mood, emotion, affect, and behavior and the interactions among them. It takes into consideration both internal and external influences across a person’s life span. Included is an overview of brain functioning and mechanisms of neurotransmission, genetics, the effects of other body systems such as the endocrine and immune systems, temperament, and the environment. Prerequisite(s): NU 706.

NU 710. Nursing Research. 3 Hours.
This course explores the principles and uses of the research process in Advanced Practice Nursing. The graduate nursing student will become an active participant in the research experience and be prepared to develop, write and present a research proposal. Content will focus on evidence-based practice, understanding the role of a nurse practitioner as researcher, and the development of a research proposal that will be the foundation and beginning process of their scholarly project. Students are strongly encouraged to develop a proposal that includes interprofessional collaboration. Prerequisite(s): NU 700.

NU 722. Adv Mental Hlth Asmt Across the Lifespan (168 Clinical Hrs). 5 Hours.
This course is designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.

NU 740. Public Health Policy Issues and Challenges. 3 Hours.
This course is designed to provide the graduate student with an opportunity to explore and evaluate the political process, fiscal policies, and their impact on public health and the health care system. The use of sociopolitical and ethical frameworks are interwoven with policy development. Opportunities are provided for students to critique public policy and determine how the behavior of health professional’s impact governmental decisions and regulatory processes. Students will explore legislative processes, state/federal policies, and analyze current legislative and policy issues.

NU 799. Special Topics in Nursing. 1-3 Hour.
Selected topics in nursing are offered under the guidance of graduate faculty. The course enhances students knowledge of advanced practice nursing, building on previous knowledge of nursing and healthcare in today’s complex and rapidly changing healthcare system. This course may be used as an elective in the student’s program of study and may be taken more than once as long as different topics are taken.

NU 801. Adv Mntl Hlth Asmt Across the Lifespan(168 Clinical Hrs). 5 Hours.
NU 801 is a hybrid course designed for the development of advanced mental health assessment skills. The processes of psychiatric history-taking, mental status examination, biological and neurological assessment for clients throughout the lifespan is addressed. Students are prepared to use the Diagnostic Statistical Manual (DSM) multiaxial system. During practicum experiences, students perform comprehensive mental health assessments, determine DSM diagnoses and participate in treatment care planning, including the possible need for medication and medication management for clients and alternative treatments. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 707.
NU 802. Family Health II -- Adult-Gero Health (168 Internship Hours). 6 Hours.
This course explores relevant practice issues in the health care of adults and families. Primary focus is on the assessment of acute and chronic health problems experienced by this population, as well as health promotion/disease prevention activities. The precepted internship experience gives students an opportunity to provide primary care to adults of any age. In the course, students continue to further explore the interprofessional collaborative role in both the classroom and clinical setting. Prerequisite(s): NU 700 and NU 702 and NU 704.

NU 806. Family Health IV--Integrating Primary Care (168 Intern. Hrs.). 6 Hours.
This is the culminating internship course in the program. The focus is on synthesizing the knowledge and clinical management skills from previous courses in preparation for the transition from graduate student to novice nurse practitioner. The course emphasizes the importance of integrating patient care by collaborating with other healthcare providers particularly in regard to improving patient safety and health outcomes. Students take part in seminars that allow them to thoroughly explore both clinical and non-clinical issues frequently noted in primary care. At the same time, students become familiar with the newest clinical guidelines for disorders most commonly seen in primary care. Information is provided and discussed in four on-campus/virtual sessions, weekly Journal Club requirements and will culminate with the presentation of Capstone projects. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 802 and NU 807 and NU 808.

NU 807. Family Health I -- Pediatrics (168 Internship Hours). 6 Hours.
The focus of this course explores theories and the practice of health care for children from infancy through adolescence within a context of family health care. The course will focus on health promotion and acute and chronic illness conditions experienced by these childbearing and childrearing families. This course will focus on health-illness issues experienced by this population in underserved rural and urban areas. The clinical practicum experience will present the advanced practice nursing student with clinical experience in assessing, planning, and managing care for families in these age groups at a variety of clinical sites. Opportunities will be available in both the classroom and clinical setting to further explore the roles inherent to the advanced practice nurse who provides primary health care to these clients. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 808. Family Health III -- Women's Health (168 Internship Hours). 6 Hours.
This course explores the theories and practice of healthcare for women within the context of the family. It also focuses on health promotion and acute or chronic illness that may be experienced particularly by childbearing families. The internship will present the family nurse practitioner student with precepted experiential learning in assessing, planning and managing women's health from a primary care perspective. Particular emphasis will be placed on the importance of collaborating with other health care professionals in order to achieve patient safety and optimal health outcomes. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706.

NU 809. Adv Women's Health Assessment II (w/168 Intern Hrs). 6 Hours.
Building on previous study in women's health, students begin to critically examine and address concepts and research related to issues of women from adolescence to menopause. This course focuses on the advanced practice nursing knowledge necessary for the comprehensive assessment and health management of individuals and families during the childbearing years. Particular attention will be paid to the pre-, ante- and post-natal periods. Concepts include human sexuality, disease prevention, pregnancy/childbirth and urogynecological issues as well as the social and political determinants of health. Prerequisite(s): NU 808.

NU 810. Family Psychiatric Nursing I (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner’s role in the delivery of mental health care for mentally ill individuals and families across the lifespan. Students examine the theories relevant to family therapy and individual psychotherapy, as well as psychopharmacological and alternative treatments. Practicum experiences focus on student application of family interventions and therapy as well as individual interventions and psychotherapy in acute and chronic care settings. Populations include children, adolescents, adults, and geriatric individuals. Prerequisite(s): NU 702 and NU 705 and NU 710 and NU 722.

NU 811. Women's Health Iss - A Public Health Approach to Care & Pol. 3 Hours.
Consistent with the emerging definitions of women’s health and women’s health practice, this course examines a full range of health issues unique to women. Women’s health specialization includes prevention, the societal and political determinants of health, patient education and reconceptualization of women’s relationships with health care providers. Health assessment and maintenance as well as disease identification and treatment will be presented on a wellness to illness continuum. Students develop a woman-centered holistic approach to care--the central concept in women’s health nursing practice.

NU 812. Family Psychiatric Nursing II (210 Clinical Hours). 6 Hours.
This course focuses on the psychiatric nurse practitioner’s role in the delivery of primary mental health care across the lifespan. The course emphasizes promoting optimum mental health, preventing mental illness, health maintenance, and preventing new occurrences of mental illness. Students examine theories relevant to group therapy interventions and consultation, as well as psychopharmacological and alternative treatments. The advanced practice nursing student will develop interventions and programs that reduce stressors and maximize mental health for individuals of all ages and communities. Prerequisite(s): NU 810.

NU 813. Advanced Women's Health Assessment III (w/168 Intern Hrs). 6 Hours.
Students in this course will examine the unique issues and needs of the peri- and post-menopausal woman. There will be significant focus on the issues of healthy aging, sexuality, urogynecologic and hormonal changes affecting women as they move beyond the childbearing years. Prerequisite(s): NU 808 and NU 809.

NU 814. Family Psychiatric Nursing III (210 Clinical Hours). 6 Hours.
In this course, the psychiatric nurse practitioner’s role is further developed as the learner integrates psychiatric theory and practice skills while intervening with the chronic mentally ill in rural settings. Emphasis is on integration of psychotherapeutic, pharmacological, alternative therapeutic approaches, including crisis intervention and case management. During the practicum experiences, students coordinate care and advocate for special populations of individuals, families, and groups across the lifespan. Prerequisite(s): NU 812.
NU 816. Psychiatric NP Internship/Practicum. 3 Hours.
Class - 1.5 Credits, Clinical - 9 Hours/Week (Total 126 Hours) This is an intensive clinical internship that prepares students to practice in the role of a psychiatric nurse practitioner. Building on biopsychosocial theories, the student will deliver comprehensive holistic primary mental health care to clients. Students will conduct comprehensive assessment, including diagnosis of and referral for physical health problems. Additionally, clinical experiences will include ordering and interpreting laboratory and diagnostic studies. Comprehensive medication management of psychiatric clients will include an in-depth knowledge of psychotropic medications, acceptable prescribing practices and monitoring for side effects and efficacy. Students will present case studies with decision-making trees during seminars to explore relevant clinical and non-clinical issues. Prerequisite(s): NU 702 and NU 704 and NU 706.

NU 818. Family Psychiatric Nurse Practitioner Practicum. 2 Hours.
This is an intensive clinical internship that prepares students to practice in the role of a family psychiatric nurse practitioner. It will broaden the depth of content and practice that students have already assimilated in the areas of child and adolescent psychotherapy and psychopharmacology. Building on biopsychosocial theories, the student will deliver holisic primary mental health care to clients. Students will conduct comprehensive assessments, including diagnosis of and referral for physical health problems. Clinical experiences will be on therapeutic treatment modalities and interventions with children and adolescents, including therapy and psychopharmacology. Therapy content will cover a range of therapeutic interventions from analytical to behavioral, family, individual and group and long term to brief therapy. Psychopharmacological content will include ordering and interpreting laboratory and diagnostic studies, in-depth knowledge of psychotropic medications, acceptable prescribing practices, monitoring for side effects and efficacy, risk verses benefit and an understanding of normal growth and development and what constitutes psychopathology. Students will present case studies with decision-making trees during seminars to explore relevant clinical and nonclinical issues.

NU 830. Teaching Learning Theories & Strategies in Health Education. 3 Hours.
This course focuses on the theoretical foundations and strategies of teaching and learning in health education. The graduate health student will explore the various learning theories and pedagogical frameworks that guide the selection of instructional and learning strategies essential for both faculty and students. Content will be delivered using a variety of methodologies – classroom, multi-media on-line and on-line blog-type discussion format. Course participants will identify the differences and similarities in the learning theories specific to basic procedures of learning, assumptions made about such learning, the role of the educator, various sources of motivation to learn, and methods by which the transfer of learning is accomplished. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.

NU 832. Curriculum Development in Nursing Education. 3 Hours.
This course focuses on curriculum development that reflects contemporary health care trends and prepares graduates to function effectively within the context of continuously evolving nursing, health care and educational systems. In this course the graduate nursing student will design a curriculum that reflects institutional philosophy and mission, current nursing and health care trends, and community and societal needs so as to prepare nurses for practice in a complex, dynamic, multicultural health care environment. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740.

NU 834. Assessment and Evaluation in Nursing Education. 3 Hours.
This course is designed to introduce learning evaluation concepts, including test and measurement, at the didactic, clinical, and programmatic levels. Course content will include strategies to assess and evaluate learning in the cognitive, psychomotor, and affective domains. Quality improvement, as well as legal and ethical considerations is explored within these concepts. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 740 and NU 710 and NU 730.

NU 836. Informatics and Technology in Health Education. 3 Hours.
The 3 credit course will explore the changing technology environment and its potential to impact on the delivery of quality, safe patient care. Infusing technology into educational programs is vital in preparing students to understand and meet the demands of caring for today's patient populations. The course facilitates and enhances healthcare student's knowledge, skills, and abilities to apply meaningful use of technology within their respective program of study. Focus will combine knowledge of healthcare professional, computers, social media, and health information in clinical decision-making and patient care outcomes. Overriding considerations will include: technology’s impact on health profession work flow, legal, ethical and security considerations associated with select technology, and the impact of technology on the changing roles in healthcare will be discussed as they apply to clinical and consumer information technologies.

NU 838. Internship/Clinical Practicum in Nursing Education. 2-4 Hours.
This is the capstone clinical course in the nurse educator track. It involves the synthesis, refinement, and application of nursing, education, and evaluation theory in a variety of educational settings and integrated seminars. The bi-weekly seminars are framed within the context of established nurse educator scope of practice (NLN, 2005) and competencies (Council on Collegiate Education for Nursing, 2002; NLRN, 2005) and students apply these in a variety of diverse academic and clinical settings under expert preceptor guidance. Graduate nursing students will create and share comprehensive portfolios demonstrating their ability to plan, deliver, assess and refine effective professional education offerings in varied settings with diverse learners. Prerequisite(s): NU 700 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740 and NU 830 and NU 832 and NU 834 and NU 836.

NU 840. Nurse Educator Capstone. 1-3 Hour.
This is the culminating scholarly experience in the master’s program. Graduate nursing students will demonstrate mastery of one particular subject area in their specialty track by developing a scholarly project including an evidence based review of that topic. The Department of Nursing relies upon the definition of scholarly work provided in the American Association of Colleges of Nursing’s Position Statement on Defining Scholarship for the Discipline of Nursing (1999). This states “scholarship in nursing can be defined as those activities that systematically advance the teaching, research, and practice of nursing through rigorous inquiry that 1) is significant to the profession, 2) is creative, 3) can be documented, 4) can be replicated or elaborated, and 5) can be peer-reviewed through various methods.” The course will allow students to develop such a project in close advisement with a faculty mentor, and present their scholarship through a formal presentation and submitted paper, as well as a manuscript for publication or professional poster presentation. Prerequisite(s): NU 700 and NU 702 and NU 704 and NU 706 and NU 710 and NU 730 and NU 740 and NU 830 and NU 832 and NU 834 and NU 836.
NU 841. Family and Community Nurse Practitioner Capstone. 1-3 Hour.
This course is the culminating scholarly requirement for those in the MSN/FNP track. Graduate nursing students work together, in groups of two to four, to demonstrate mastery of a particular subject area significant to interprofessional primary care practice. A final paper, poster and oral presentation are required; submission of a manuscript for publication is optional. This course is offered on a one credit per semester basis in three of the four final semesters of coursework, for a required total of three credits. Prerequisite(s): NU 700 and NU 710.

NU 842. Family Psychiatric Nurse Practitioner Capstone. 1-3 Hour.
This is the culminating scholarly experience in the master’s program. Through this experience, graduate nursing students demonstrate mastery of a particular subject area in their specialty track by developing a scholarly project, including an evidence-based review of that topic. The scholarly project is based on factors used by the American Association of Colleges of Nursing’s Position Statement on Defining Scholarship for the Discipline of Nursing (1999) that include significance to the profession, creativity, documentation, replication and peer review. The course allows students to develop such a project in close advisement with a faculty mentor(s) and to present that scholarship through a formal presentation, submitted paper, and a manuscript for publication or professional presentation. Prerequisite(s): NU 710.

OT (OT)
Courses
OT 299. Topic/. 1-6 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in occupational therapy under the guidance of occupational therapy faculty.

OT 300. Prin of Human Movement Factors & Occupational Performance. 3 Hours.
This course provides students with foundational knowledge in the neuromusculoskeletal and movement-related functions of the human body. Students will learn and apply kinesiological and biomechanical principles underlying person-centered occupational performance and engagement. They will develop the basic ability to assess and analyze the client factors which are fundamental to the performance of meaningful occupation. The role of reflexes and other involuntary movement reactions will be covered as well as an introduction to the basic concepts of motor control. Laboratory sessions will stress motor evaluations, treatment planning, wheelchair assessment, transfers, movement analysis, and the psychodynamics of physical rehabilitation. Prerequisite(s): ((SC 221 and SL 221) and (SC 222 and SL 222)) or ( Major=MS Occupational Therapy and ( College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior)).

OT 320. Occupational Analysis. 3 Hours.
This course will focus on foundational concepts that underlie the practice of occupational therapy, i.e. occupation-based activity analysis and analysis of occupational performance. Students will be introduced to the nature of occupation as viewed by the profession and the value of occupational engagement across diverse contexts and environments. Client factors, performance skills and patterns as well as the context and the demands of activities will considered in preparation for developing interventions in support of engagement in client-identified meaningful occupations. Prerequisite(s): Major=MS Occupational Therapy.

OT 321. Theory & Assessment I. 3 Hours.
This is the first of a two-course series integrating occupational therapy theory with assessment. Students will be introduced to the theoretical foundations of occupational therapy, including the Occupational Therapy Practice Framework, the importance of the history and philosophical base of the profession, and the process of theory development. An overview of client-centered theories will provide a foundational base for occupational engagement. It will also introduce core concepts of evaluation and assessment as well as the evaluation process. The link between theory and assessment will be reinforced by applying a model of practice and the associated assessment tools to a client story, thereby integrating theory and assessment in a clinically meaningful context.

OT 322. Professional Foundations of Occupational Therapy. 3 Hours.
Students will appreciate and value the AOTA Occupational Therapy Code of Ethics and the Standards of Practice as well discuss challenges of personal/organizational ethical conflicts and conflict resolution. State licensing and scope of practice will be discussed as will importance of and requirements for ongoing professional development. Professional liability will be examined. Developing leadership skills through participation in professional associations and professional advocacy will be emphasized. Professional documentation will be introduced. Prerequisite(s): Major=MS Occupational Therapy.

OT 323. Theory & Assessment II. 4 Hours.
This is the second of a two-course series integrating occupational therapy theory with assessment. In this course, students will analyze selected culturally relevant, client-centered, occupation and performance-based models. The models are applied to clinical stories representing life span development and varied contexts. Students are also exposed to multiple assessment tools associated with each model to reinforce the link between theory, evaluation and occupational engagement. The course teaches students to engage in the process of using novel assessment tools and clinical reasoning for the evaluation process and corresponding documentation. Prerequisite(s): OT 321.

OT 330. Functional Anatomy. 4 Hours.
This course will build on previous anatomy & physiology coursework. Content will focus intensively on body structures in order to understand the interactions between them in support of the ability to participate in meaningful occupations throughout life. An emphasis on the musculoskeletal system, peripheral nervous system and cardio-vascular system will be reinforced by cadaver dissection opportunities in the Anatomy Lab. Prerequisite(s): ((SC 221 and SL 221) and (SC 222 and SL 222)) or ( Major=MS Occupational Therapy and ( College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior)).

OT 331. Neuroscience. 5 Hours.
This course will provide students with in-depth understanding of the neuroanatomy and neurophysiology of the central and peripheral nervous systems. There will be special emphasis on mental functions, sensory functions, and the motor system as they contribute to occupational performance. The impact of various clinical conditions on participation in meaningful activities will be introduced. Students understanding will be supplemented with learning activities that include cadaver dissections. Prerequisite(s): (SC 221 and SC 222 and SL 221 and SL 222) or (( College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior) and Major=MS Occupational Therapy).
OT 361. Professional Integration A: Advocacy and Social Context. 1 Hour.
This is the first of three professional integration courses. In this course, students demonstrate novice-level application and integration of didactic concepts that they have learned in the classroom in a clinical or community setting. They apply knowledge and skills from entry level foundation courses to promote awareness of and advocate for access to Occupational Therapy services. There is an emphasis on awareness of the impact of social, cultural and political factors on occupational engagement and meaningful participation. Prerequisite(s): OT 322.

OT 380. Integrative Health I: Wellness. 2 Hours.
This is the first of two courses on integrative health, which considers the dynamic interaction between mind, body, spirit and community. This course introduces the concepts of wellness, health promotion, prevention, and spirituality and their contributions to well-being and occupational engagement. This content is addressed in part through self-reflection as students explore and apply evidence-based approaches of wellness to themselves. Students will develop increased awareness of their own values and beliefs and how they may interact, influence and contribute to health and wellness. Prerequisite(s): OT 322.

OT 413. Children & Youth I. 3 Hours.
This is the first of two courses covering the foundations of contemporary, ethical family-centered occupational therapy practice for children and youth. This semester has an emphasis on infants and young children and their families. Students apply theoretical concepts from developmental and occupation based models to understand the impact of client factors on occupational engagement and performance. Client-centered assessments and outcome measures, used in practice with children and families are explored. Evidence-based clinical reasoning is emphasized as students develop meaningful interventions and identify outcomes in support of occupational engagement in a variety of contexts and environments. Finally, students understand the implications of legislative mandates, role delineation, and the importance of documentation on contemporary practice. Prerequisite(s): OT 321 and OT 323.

OT 414. Children & Youth II. 4 Hours.
This is the second of two 4 courses covering the foundations of contemporary ethical family-centered occupational therapy practice for children and youth. This course focuses on young children through the period of youth and adolescence as well as their families. Students apply theoretical concepts from developmental and occupation based models to understand the impact of client factors on occupational engagement and performance. The course utilizes client-centered assessments and outcome measures used in clinical pediatric practice. It also emphasizes critical thinking as students develop meaningful interventions and identify outcomes in a range of contexts and environments in support of occupational engagement. Finally, the class explores the implications of legislative mandates, role delineation, and the importance of documentation on contemporary practice. Prerequisite(s): OT 413.

OT 440. Mental Health I. 4 Hours.
This course examines the psychological and social aspects of mental health functioning as it impacts occupational performance. Students investigate the continuum of health and recovery with an emphasis on supporting client's successful engagement in meaningful roles and occupations across practice areas, client populations, contexts and environments. Client-centered evaluation and intervention emphasize practical application of theoretical concepts, while evidenced-based critical thinking guides clinical reasoning and decision-making throughout the course. Prerequisite(s): OT 330 and OT 331.

OT 441. Mental Health II. 3 Hours.
This course will focus on approaches to group intervention emphasizing meaningful occupational-based participation to support engagement in a variety of contexts and environments. Included are techniques for starting, maintaining, and terminating groups, ways to capitalize on the therapeutic advantages that groups offer, and exploration of group dynamics and leadership skills. Students use principles of needs assessment, group intervention planning and implementation, along with theory and research evidence, to design and co-lead client-centered occupation based groups with children, adults and older adults. Prerequisite(s): OT 440.

OT 449. Rehabilitation & Participation I. 4 Hours.
This course uses clinical reasoning to examine adult clinical conditions and their impact on occupational engagement. It includes evaluation and intervention focusing on occupational performance and meaningful participation. There is an emphasis on evidence-based, client-centered contemporary best practice. The laboratory portion of the course includes active learning and opportunities to apply entry level practice skills. Prerequisite(s): OT 300 and OT 330 and OT 331.

OT 450. Rehabilitation and Participation II. 4 Hours.
This course continues the study of adult clinical conditions and their impact on occupational engagement. Clinical reasoning is used to inform emerging critical thinking. Students have the opportunity to experience and practice evidence based intervention strategies to enhance occupational performance and meaningful participation. The laboratories focus on developing analysis and beginning synthesis of entry level practice skills. Prerequisite(s): OT 449 and OT 330 and OT 331.

OT 452. Context and Environment. 3 Hours.
In this course, students explore the impact of the physical and social conditions of the client on occupational therapy engagement. Students are also given an opportunity to explore the relationship between socio-cultural forces and the physical environment as well as their impact on meaningful participation for individuals with disabilities. Interventions include a wide range of assistive technologies (AT) and environmental adaptations that allow a person to function more fully. Finally students have the opportunity to identify social and environmental barriers to inclusion in the community and identify strategies to transform these barriers through the application of leadership principles. Prerequisite(s): OT 449.

OT 460. Professional Integration B: Service Delivery and Management. 1 Hour.
This is the second of three professional integration courses. Through this course, students demonstrate emerging application and integration of classroom didactic concepts in a clinical or community setting. Students also apply knowledge and skills from entry-level practice courses to promote occupational engagement within and across diverse contexts and environments with an emphasis on the programmatic aspects of service delivery. Prerequisite(s): OT 361.

OT 461. Professional Integration C: Professional Resp & Leadership. 1 Hour.
This is the third of three professional integration courses. In this course, students demonstrate advanced-beginner application and integration of classroom didactic concepts in a clinical or community setting. Students also apply emerging clinical reasoning and skills from practice courses to promote occupational engagement within and across diverse contexts and environments. The course emphasizes roles and responsibilities related to the development of personal and professional leadership. Prerequisite(s): OT 460.
OT 470. Research & Evidence-based Practice I. 3 Hours.
This is the first in a three course series that will use research to foster evidence-based critical thinking and clinical reasoning. This course will focus on critical analysis of quantitative and qualitative research literature with the goal of guiding students to become informed consumers of research to guide their clinical practice. The contribution of research to the continued development of a professional body of knowledge will be emphasized. Experience locating and evaluating literature, developing a research question, and proposing an appropriate sample, research design, measurement and data analysis will reinforce development of the skills necessary to translate evidence to practice in the clinic. Prerequisite(s): (MS 132 and SC 224) or (College Level=Grad Freshman or College Level=Grad Sophomore or College Level=Grad Junior or College Level=Grad Senior).

OT 471. Research & Evidence-based Practice II. 3 Hours.
This is the second in a three course series that will use research to foster evidence-based critical thinking and clinical reasoning. This course will build on the process of developing informed consumers of research through experiential engagement in the research process and implementation of a research methodology. Prerequisite(s): OT 470.

OT 499. Topic/. 1-6 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in occupational therapy under the guidance of occupational therapy faculty.

OT 561. Level Two Fieldwork IIA. 6 Hours.
The goal of Level II Fieldwork is to develop competent, entry-level, generalist occupational therapists under the supervision of a qualified occupational therapist. In this first Level II fieldwork course, students have the opportunity to integrate classroom, service-learning, laboratory, and fieldwork knowledge and skills while applying the OT process in an in-depth occupational therapy service provision experience. Prerequisite(s): OT 414 and OT 441 and OT 450 and OT 461.

OT 562. Level Two Fieldwork IIB. 6 Hours.
The goal of Level II Fieldwork is to further develop competent, entry-level, generalist occupational therapists under the supervision of a qualified occupational therapist. In this second Level II Fieldwork course, students have the opportunity to integrate advanced didactic content with knowledge and skills from previous fieldwork experiences. This final clinical experience requires students to demonstrate evidence-based clinical reasoning and emerging critical thinking, while emphasizing occupational engagement in the context of an in-depth occupational therapy service provision experience. Prerequisite(s): OT 580 and OT 581 and OT 582.

OT 563. Clinical Integration: Research and Evidence-based Practice. 2 Hours.
This course will provide an opportunity for students to process and integrate evidence-based critical thinking and reasoning with clinical experience. Students will demonstrate self-reflection regarding their own professional and personal growth over the course of their academic and clinical professional preparation. We will revisit concepts related to healthcare leadership skills and values, as well as reinforce supports to facilitate the transition to entry-level clinical practitioner and scholar. Prerequisite(s): OT 561 and OT 562.

OT 570. Seminar: Research & Evidence-based Practice III. 3 Hours.
This is the third in a three course series that will use research to foster evidence-based critical thinking and clinical reasoning. Building on the project from the previous semester students will prepare a professional written report and a formal scientific oral presentation of findings or outcome. The importance of research to building a professional body of knowledge will be revisited as students are required to highlight the application of their findings to occupational therapy. Furthermore the clinical application of their findings will reinforce the use of evidence to guide clinical thinking and reasoning. Prerequisite(s): OT 471.

OT 571. Research Seminar. 1 Hour.
In this course, students will discuss various applications of research including evidence-based practice, presentations, publication, grant proposal and on going professional development. For their final activity in the course, students will develop, organize, implement and evaluate a research seminar of occupational therapy research based on student research projects and will be open to the clinical and general community in the region. Prerequisite(s): OT 471.

OT 580. Integrative Health II: Spirituality. 2 Hours.
This is the second of two courses focusing on integrative health, which considers the dynamic interaction between mind, body, spirit and community. This course expands on concepts of wellness and spirituality previously introduced and also integrates the contribution of culture to well-being and occupational engagement. Students develop increased awareness of the influence of patients’ values, beliefs, culture, and spiritual traditions on healthcare practices. There is an emphasis on the interplay between integrative health, well-being, quality of life and meaningful participation. Prerequisite(s): OT 380.

OT 581. Upper Extremity Research And Practice. 3 Hours.
This course explores common upper extremity/hand injuries and evidence-based treatment interventions in support of client engagement in meaningful occupations. It involves a review of anatomy, clinical evaluation of the upper extremity/hand, and intervention appropriate to each injury. Through a combination of lecture and active experiential learning with a strong emphasis on participation, discussion, and problem solving, students develop critical thinking and clinical reasoning. Students are also expected to identify, palpate and perform learned techniques on each other and demonstrate competency and mastery of content. This course emphasizes hands-on participation with demonstrations of proficiencies in manual muscle, range of motion, and provocative testing.

OT 582. Neurorehabilitation: Research & Evidence Based Practice. 3 Hours.
This course explores the impact of central and peripheral neurologically based conditions on performance skills supporting occupational engagement. Students will have the opportunity to explore both formal and informal assessments used in the evaluation of cognitive, perceptual, communication, and motor dysfunction. Evidence based interventions and rehabilitative approaches for working with clients who have experienced neurologically based conditions will be explored. Integration of previous foundation content with intervention content will require demonstration of emerging critical thinking and clinical reasoning. Students will be provided with learning activities including lecture, group activities, role playing, and experiential learning.
OT 583. Work & Industry: Research and Evidence-based Practice. 3 Hours.
This course provides a general overview of basic ergonomic principles and environmental adaptations in the home and work environment. It will describe symptomatology and interventions to promote meaningful engagement in and performance of work related occupations. It emphasizes a client-centered approach and client worldview to develop treatment plans, reflecting current evidence-based literature and best practice concepts. The course puts a strong emphasis on the use of narratives, or patient stories, in the belief that care of the sick and disabled unfolds in stories, and the effective practice of healthcare requires the ability to recognize, absorb, interpret, and act on the stories and experiences of others, and occupational therapy practiced with narrative competence is a model for humane and effective treatment. Prerequisite(s): OT 450.

OT 599. Topic/. 1-6 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in occupational therapy under the guidance of occupational therapy faculty.

PA (PA)

Courses
PA 100. Portfolio Assessment. 3 Hours.
This course is used to recognize prior work and educational experience translatable through a portfolio preparation process for college credit. The standardized process identifies those areas where the student's learning is adequate and where additional learning is needed. Learning documented in the portfolio is measurable, both theoretical and applied, and generalized for future applicability. Students who have acquired a minimum of two years of professional work experience are eligible to seek award of college credits. Eligible individuals may choose a maximum of five courses (15 credits) within an Associate Degree program and ten courses (30 credits) within a Bachelor's Degree program which seem to equate to work responsibilities and corollary learning.

PC (PC)

PH (PH)

Courses
PH 100. Introduction to Philosophy. 3 Hours.
This course is designed to confront students with perennial human questions about existence, meaning, knowledge, conduct and value, and to acquaint them with selected perspectives on these questions provided by the Western philosophical tradition. A wide range of philosophers, representing many different modes of philosophical inquiry, will be examined. Problems in the contemporary world will provide starting points for the exploration of philosophical theory.

PH 110. Introduction to Ethics. 3 Hours.
This course introduces students to important traditional ethical theories, new directions in moral thinking, and contemporary ethical controversies. It focuses on ethics as the practice of informed dialogue and principled behavior in a diverse and changing society and in the workplace.

PH 112. Professional Ethics. 3 Hours.
This course introduces students to professional ethics, the study of morality and responsibilities pertaining to professional life. Students will be introduced to the meaning and history of the term "profession" and what values distinguish it from other forms of paid work. They will be introduced to general philosophical ethics and then learn to apply those principles to cases and controversies that are common to all professions and, more specifically, to the profession of their own choosing.

PH 220. Environmental Ethics. 3 Hours.
This course will cover critical theories about the relationships and moral responsibilities of humans to their environments. Using traditional moral theories, moral psychology, behavioral economics, and contemporary philosophies, students will explore questions such as: What is Nature? Does it have rights? What is the environment? Are we the environment? How about animals? What responsibilities do we have to future generations? What makes people actually change their behaviors toward the environment? Non-Western approaches will be included. Students will then apply their insights to current environmental conflicts such as global warming, land development, endangered species preservation, and intensive farming.

In concert with the theme of the annual Camden Conference, which can range from the Palestinian-Israeli problem to the rise of China as the dominant global super-power, this course introduces students to contemporary global issues through discussion and readings on the topics to be addressed by the conference. In 2014, the Camden Conference focuses on food and water security. Students will delve into the intricate concepts surrounding the global food crisis, including obesity and starvation, the ecological impacts of modern agriculture, as well the governance of water rights in the face of climate change.

PH 299. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in philosophy that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

PH 499. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer advanced courses in philosophy that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

PL (PL)

Courses
PL 100. Intro to Legal Studies. 3 Hours.
This course is designed to educate students in the American legal system focusing on the origins and history of the American legal system, the meaning and application of important legal terminology, and attorney and paralegal ethics.

PL 200. Criminal Law. 3 Hours.
The substantive goal of this course is to cover the basic principles of criminal law, including the common law of crimes as well as the Maine Criminal Code and the Model Penal Code. The methodological role of the course is that of statutory construction - the techniques of applying legislative enactments to varying fact situations in light of text, history, purpose and structural context. All of this will proceed with the underlying assumption that it is always necessary to judge rules of law according to their effectiveness and desirability.
PL 201. Real Estate Law. 3 Hours.
This course presents a systematic study of the basic principles of real property law through explanation, discussion and problem-solving techniques. The course provides a decision-oriented approach to legal concepts, featuring student completion of a complete abstract of title at the Penobscot County Registry of Deeds; real estate forms; and comprehension of relevant Maine statutes.

PL 203. Civil Litigation. 3 Hours.
A survey of civil litigation issues covering the concepts and procedural rules designed to proceed from the initial client interview through trial. The student will gain a basic understanding of federal and Maine procedural rules and substantive law. In addition, the student will learn about the following: types of litigation, negligence cases, collection cases, commercial litigation, preparation of pleadings, discovery and settlements.

PL 204. Introduction to Wills, Estates, and Trusts. 3 Hours.
This course examines the general theory and procedures, legal and administrative, employed in the preparation and handling of wills, trusts, and estates. This course will prepare students to understand the basic concepts in the field and be able to apply these concepts to perform the tasks of a probate paralegal.

PL 205. Legal Research and Writing. 3 Hours.
This course introduces manual legal research including understanding legal citations, primary and secondary authorities, federal and state reporters, Shepardizing, and other research tools. Use of the Penobscot County Law Library is mandatory. Finally, students will explore the basic of legal writing including legal correspondence and legal memoranda. Prerequisite(s): PL 100 or Major=BS English - Prelaw.

PL 299. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer introductory courses in paralegal studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

PL 301. Torts. 3 Hours.
Topics may vary from year to year, but will generally include a detailed treatment of defamation and privacy, and the torts relating to the intentional infliction of purely economic loss. Contemporary issues in the law of negligence (i.e. liability in negligence for purely economic loss; actions for wrongful birth and wrongful life); and new applications of the law of trespass, with implications for civil liberties and privacy; for regulating non-consensual medical procedures; and for intervening in abusive domestic relationships. Prerequisite(s): PL 205.

PL 302. Family Law. 3 Hours.
Family law covers all major subjects from marriage, divorce, child procrastination and support, and child abuse and neglect. Our study includes a look at the economics of marriage and divorce, as well as some of the most cutting edge social and even scientific issues in the news. The main purpose of this course is to introduce major terms, topics, and issues. Prerequisite(s): PL 205 or Major=BS English - Prelaw.

PL 303. Alternative Dispute Resolution. 3 Hours.
This course is designed in response to an area of the law that is growing, and offers students practical instruction to assist in their future job placements. The course treats the full range of modern dispute resolution from inaction through mediation, arbitration, litigation and private judging. Looking at the full range of conflict resolution options, class inquiry will focus on the selection of the appropriate resolution process for a given case. Class discussions and problem solving will follow a concept-example, concept problem, and concept example-problem format. Prerequisite(s): PL 100 or Major=BS English - Prelaw.

PL 304. Alternative Dispute Resolution II. 3 Hours.
This course is a continuation of PL 303 which is designed in response to an area of the law that is growing, and offers students practical instruction to assist in their future job placements. The course explores in more depth the full range of modern dispute resolution with a focus on conflict resolution skills, including mediation. Class discussions and problem solving will follow a concept-example, concept problem, and concept examples-problem format. Prerequisite(s): PL 303.

PL 305. Legal Ethics. 3 Hours.
This course will cover the nature of the ethical responsibilities of a paralegal working in a law office, as well as the limits on independent practice. It will cover the Maine Code of Professional Responsibility as well as the ABA Model Rules and Code. Prerequisite(s): PL 100 or Major=BS English - Prelaw.

PL 309. Constitutional Law. 3 Hours.
This course will explore the First, Second, Fourth, Fifth, Sixth, Eighth and Fourteenth Amendments of the Constitution through reading of case law and real life examples. Students will understand the arguments that exist for persons involved in civil and criminal matters from the Constitution. Prerequisite(s): PL 200.

PL 400. Evidence. 3 Hours.
This course will present the basic principles of the law of evidence as expressed in the Federal Rules of Evidence and the Maine Rules of Evidence. The student will develop the ability to read and apply a rule of evidence to specific information and circumstances. An emphasis will be placed on learning how the Federal & Maine Rules of Evidence effect trial preparation, negotiation, and trial. Participatory role play and discussion of hypothetical situations will constitute a significant part of the learning experience. Prerequisite(s): Major=AS Paralegal or Major=BS Paralegal or Major=AS Criminal Justice or Major=BS Criminal Justice or Major=BS English - Prelaw.

PL 401. Domestic Violence Law. 3 Hours.
This course introduces domestic violence law from an interdisciplinary perspective and offers a contemporary view of the criminal justice and paralegal experience with diverse forms of violence and populations. Comprehensive inclusion of violence perpetrated in a variety of gender and age relationships; dating violence; sibling abuse; rape and incest; child and elder abuse and neglect; male battering; lesbian and gay violence; and violence against women. Prerequisite(s): CJ 101 or PL 100 or Major=BS English - Prelaw.

PL 403. Advanced Legal Writing. 3 Hours.
Cultivating analytical research and writing skills through problem-based learning is the aim of this course. Actual factual situations will be used to hone skills such as : identification of legal issues; research strategy and methodology formulation; use of relevant secondary sources; integration of print sources with non-print sources (electronic databases, CD-ROMs and the Internet); analyzing and synthesizing primary sources that are applicable; critical thinking applications; and writing clearly, concisely, logically and effectively. Skill development in these areas will assist students in their academic course work and prepare them for their professional careers. Prerequisite(s): PL 205 or Major=BS English - Prelaw.

PL 404. Civil Litigation II. 3 Hours.
The objective of the course is to familiarize the student with Discovery and Trial preparation, identifying legal elements of a case, Rules of Civil Procedure, Rules of Evidence, interviewing witnesses, obtaining evidence, Interrogatories, depositions, medical records and organizing evidence for trial, all with an emphasis on Maine Law. Prerequisite(s): PL 203.
PL 405. Workers Compensation. 3 Hours.
Study of the nature, development and exclusive nature of worker compensation and concepts. Topics include: arising out of employment, personal injury by accident, disease, employment status, specific inclusions or exemptions, benefits, employee and employer misconduct, third party action, adjective law, conflict of laws, insurance, and relation to other kinds of wage-loss protection. Prerequisite(s): PL 205 and PL 203.

PL 407. Legal Studies Capstone. 3 Hours.
This capstone course provides students with an opportunity to engage in advanced analysis, research and writing projects, integrating prior course work and further developing paralegal skills. Students will prepare a portfolio of documents, essays and projects that demonstrate core competencies. Job search strategies and continuing education opportunities will be discussed. Students will prepare for and complete a comprehensive, substantive assessment after review of various content areas. Prerequisite(s): (PL 100 or Major=BS English - Prelaw) and PL 203 and PL 205.

PL 498. Paralegal Internship. 3-9 Hours.
This course will require a student to serve as an intern with a professional in a work setting that requires and develops both legal knowledge and approaches to problem identification, analysis, and critical thinking. The student will be evaluated by both the internship supervisor and the professional from the work setting. The student is required to be in the work setting for at least 120 hours during the semester. This internship provides students with a unique way to gain real life experience in the legal arena in combination with acquiring course credit. Prerequisite(s): ((PL 100 and PL 200 and PL 203 and PL 204 and PL 205) and (College Level=Junior or College Level=Senior)) or Major=BS English - Prelaw.

PL 499. Topic/. 3 Hours.
This course is intended to provide the opportunity to offer advanced courses in paralegal studies that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

PS (PS)
Courses
PS 512. Pharmacologic Research Methods. 3 Hours.
The goal of this course is to provide students an opportunity to learn about research methods that are commonly used in Pharmacology. The course will survey a variety of methods, with a focus on understanding how each technique is performed, as well as the underlying scientific principles. While many of these methods are not unique to pharmacology, pharmacologic principles will be emphasized as they are discussed. The laboratory component of the course will provide students with practical experience in conducting pharmacologic research. Students will also receive an orientation to the research laboratories at Husson University and will be exposed to a variety of research topics.

PS 520. Advanced Biostatistics & Research Design. 3 Hours.
This course will provide a graduate level discussion of appropriate statistical methods for analyzing different types of data generated by in vitro and in vivo pharmacology studies. The course will survey studies with different hypotheses and study designs. Mock data sets will be made available to the students for hands-on analysis. Analysis will be via simple statistical packages (e.g., Excel) and advanced statistical packages (e.g., SPSS). The course will involve approximately 2 hours per week of information presentation/discussion, and 2 to 3 hours per week of hands-on data analysis and interpretation. Prerequisite(s): RX 411.

PS 521. Graduate Pharmacodynamics I. 4 Hours.
This course will provide an in-depth survey of pharmacology & toxicology at the graduate level with particular coverage of drugs affecting the peripheral and central nervous systems, treatment of inflammatory states, agents that influence water and ion conservation, antibiotics & anti-viral agents, and agents used to treat cardiovascular disease. Selected topics of importance for understanding the SAR of agents in each class will also be discussed. Prerequisite(s): RX 302.

PS 522. Graduate Pharmacodynamics II. 4 Hours.
This course is a continuation of PS 521 with coverage of drugs in the areas of behavioral & neurological diseases, chemotherapeutic agents used against neoplasm, dermatologic preparations, endocrinology, bone and gastrointestinal agents, ophthalmic drugs, and respiratory drugs. Prerequisite(s): PS 521.

PT (PT)
Courses
PT 200. Intro to Physical Therapy. 0 Hours.
A seminar based non-credit course to introduce pre-professional students to the curriculum and profession of Physical Therapy.

PT 399. Topic/. 3 Hours.
This elective course provides the opportunity to introduce varied topics concerning kinesiology, anatomy, physiology, or physical therapy. This course is for students enrolled in the preprofessional phase of the physical therapy program. Prerequisite(s): SC 221 and SL 221 and SC 222 and SL 222.

PT 400. Clinical Edu I. 4 Hours.
An eight week full-time basic physical therapy skills affiliation scheduled in the summer following the first professional year. Designed to provide the learner with competency in the beginning clinical skills of client-therapist interactions, case history development, simple musculoskeletal and functional assessments, application of simple treatment techniques and modalities, participation in the planning and design of treatment program, and basic to intermediate skills in the orthopedic management of peripheral joint dysfunction. Prerequisite(s): PT 550 and PT 515.

PT 410. Gross Anatomy. 5 Hours.
An in-depth study of gross anatomy with an emphasis on muscular, skeletal, neural, and vascular structures and systems. Course content will pay particular attention to functional anatomy of the appendages and their associated girdles, the back, and the head and neck. Lecture and classroom discussions are combined with cadaver dissections to provide a thorough and clinically relevant knowledge base for subsequent diagnostic and treatment-centered courses.

PT 411. Kinesiology & Biomechanics. 3 Hours.
A comprehensive study of human movement with an emphasis on biomechanical and kinesiological concepts of normal and pathological movement of each body region. The course will include lecture and laboratory components that will integrate fundamental mechanical and kinesiological principles in the analysis of joint motion throughout the body. The course builds on anatomical knowledge to give students an in-depth appreciation of how normal and abnormal structure of the body influence movement.
PT 412. Motor Control & Learning. 3 Hours.
This course is a capstone course for the BS in Kinesiology degree. It provides students with a holistic overview of current theoretical and applied perspectives in the field of motor control and learning and discusses their implications for kinesiology and for physical therapy. The course will primarily be focused at the behavioral level of analysis and thus will complement the neuropsychological approach taken in PT 450. A major emphasis in this course will be to compare and contrast the theoretical approaches of information processing and dynamic systems in the understanding of both normal and pathological human motor behavior. Implications for the analysis and treatment of movement disorders stemming from both approaches will be examined. This analysis will allow students to constructively criticize current assumptions underlying motor control for motor performance and neurological rehabilitation, and to understand how theoretical frameworks bias evaluation and treatment options. Given a theoretical understanding of past and current approaches to motor control and learning, students will be able to flexibly design their own exercise and treatment approaches. Students will be required to design and conduct an experiment using current computerized technology in an attempt to answer an applied or basic science motor control question. The data from the experiment will be analyzed and written up as if it were to be submitted for publication in a motor control/learning journal. Students will also present their research to the class on completion of the experiment. Prerequisite(s): PT 411.

PT 415. Therapeutic Skills I. 3 Hours.
This course is designed to introduce students to the assessment and treatment techniques integral to the practice of physical therapy. This course is the first of a three-part series designed to teach the appropriate selection and use of devices and techniques that all physical therapists should be capable of using. The aim of this course is for the student to safely apply the skills learned in this course to patients during the first clinical education placement at the end of year four. This course is divided into two parts. Part One is devoted to learning proper body mechanics, safety procedures, patient approach, and therapeutic massage techniques. Part Two is devoted to goniometry, manual muscle testing, quadrant scanning, and therapeutic exercise of the trunk and extremities.

PT 416. Therapeutic Skills II. 1 Hour.
Therapeutic Skills II is devoted to learning the proper and safe movement of patients between surfaces, including body mechanics, bed mobility, and transfer training. The students will also be introduced to vital signs assessment and the selection and use of devices and techniques related to gait training. Prerequisite(s): PT 415.

PT 417. Physical Agents I. 3 Hours.
This course is designed to introduce the students to the scientific and clinical principles involved in the use of physical agents (modalities) in patient assessment and treatment. The course focuses on thermal, light, sound, electrophysiological, and mechanical agents used by physical therapists to treat patients, and explores the physics, physiology, and clinical aspects of commonly used modalities. The lab part of the course is designed to introduce the students to the use of therapeutic modalities in patient treatment and to allow them to practice application of modalities introduced in lecture. The aim of this course is for the student to understand the indications and contraindications of thermal, sound, and mechanical modalities and to acquire the skills to be able to safely apply them to patients during the first clinical placement.

PT 418. Physical Agents II. 1 Hour.
This is the second part of a two part lab series that builds on content acquired in PT 417. This course focuses on the practice of electrical stimulation and biofeedback used by physical therapists in the treatment of patients. The aim of this course is for the student to understand the indications and contraindications of these modalities and to acquire the skills to be able to safely apply them to patients during the first clinical placement. Prerequisite(s): PT 417.

PT 420. Life Cycles I. 2 Hours.
This course, the first in a two-course sequence, presents the relationship of structure and function to the development of movement skills across the entire life span. Normal physical development and normal movement of an individual is described from the time of conception through old age with emphasis on children under five years and adults over sixty-five years. Students will be introduced to movement disorders that are characteristic of specific age stages. This course is taught from a life span perspective in which social, psychological, and physical factors all interact to influence function. Prerequisite(s): PT 410 and PT 411 and PT 415 and PT 417.

PT 425. Exercise Physiology. 3 Hours.
This course examines human physiologic responses to physical activity. The first three units of the course address acute responses to physical activity, with a focus on metabolic, muscular, cardiovascular, and neuroendocrine homeostatic control mechanisms, as well as the influence of environmental factors on acute responses. The final unit of the course involves a discussion of factors that contribute to fatigue, and examines the evidence regarding adaptations to chronic physical activity and exercise. Students will learn how the principles of frequency, intensity, duration, specificity, and reversibility affect the benefits of physical activity for health and human performance. In addition, performance benefits attributable to the use of ergogenic aids will be discussed. Prerequisite(s): SC 221 and SC 222 and SC 291.

PT 431. Psychosocial Aspects of Physical Therapy. 3 Hours.
The purpose of this three-credit experiential course is to guide the student in the attainment of attitudes, behaviors, and values appropriate to a healthcare practitioner. Through an examination of physical therapy as a profession, students will identify the changing and emerging roles of the physical therapist in the current healthcare environment. Students will be introduced to professional ethics, practice expectations, laws and regulations that define and limit the scope of physical therapy practice. Effective verbal and written communication skills will be emphasized, using issues relevant to physical therapy as vehicles for the practice of communication skills.

PT 435. Principles of Physiology. 3 Hours.
This course provides an overview of human physiology required for the understanding of clinical conditions in patients referred for physical therapy. Prerequisite(s): SC 221 and SC 222 and SC 291.
PT 450. Neurophysiology. 3 Hours.
This course will give students a basic understanding of the neuroanatomical and neurophysiological substrates underlying human perception, movement, cognition and language. The course will pay particular attention to the sensory and motor systems that contribute to the control of posture and movement. Both normal and pathological functioning of the nervous system will be discussed. Common dysfunctions of the neuromuscular system will be addressed through lectures, student literature reviews, and classroom discussion. Students will be required to review recent neuroscience research investigating commonly encountered neural pathologies. Clinical illustrations will be discussed throughout the course. This discussion will include etiology, pathology and therapeutic and pharmacological treatment options where applicable. The course will enable students to apply neuroanatomical knowledge in analyzing a collection of patient signs and symptoms to determine the location and type of CNS lesion. Prerequisite(s): PT 410 and PT 411 and PT 415 and PT 417.

PT 500. Clinical Edu II. 4 Hours.
An eight-week full-time clinical experience during the fall semester of the second professional year. This course is designed to provide the student with competency in the intermediate to entry level skills of managing musculoskeletal dysfunction, basic to intermediate skills of managing patients with neurological dysfunction, and exposure to administrative functions of the physical therapist. Prerequisite(s): PT 400.

PT 510. Neuromuscular I. 3 Hours.
This course provides students with an overview of the examination and treatment of the adult client with a neurological lesion. It presents the philosophies underlying the major treatment approaches, and discusses strengths as well as limitations of these philosophies. The course focuses on the patient who has had a cerebrovascular accident, however the principles presented in this course can be applied to patients with a variety of neurological lesions. A hypothesis-based approach to development of an intervention strategy will be presented and emphasized. Laboratory sessions focus on hands-on management techniques for the patients with neurological deficits. Students will be required to read and critically analyze primary literature related to neurological rehabilitation. Prerequisite(s): PT 420 and PT 412 and PT 416 and PT 418 and PT 450.

PT 515. Therapeutic Skills III. 3 Hours.
This is the third of four courses designed to introduce students to the scientific and clinical principles involved in the use of various therapeutic skills in patient care. This course emphasizes orthopedic evaluation and treatment skills of the upper and lower extremities and some neurological treatment skills related to proprioceptive neuromuscular facilitation (PNF). The emphasis of the class is on development of manual therapy skills and the application of therapeutic exercise prescription. Part of the material pertaining to performing a musculoskeletal screening is taught in the week prior to the start of Fall semester in combination with PT 550 Musculoskeletal I on a different schedule. Prerequisite(s): PT 411 and PT 415.

PT 520. Life Cycles II. 3 Hours.
This course, the second in a two-course sequence, explores the impact of chronic disorders on growth, development, movement and aging. Students will use information describing the typically-development and typically aging individual to determine the changes in structure, function and movement expected from a specific pathology. This course is taught from a life span perspective in which social, psychological, and physical factors all interact to impact function. Prerequisite(s): PT 550 and PT 515 and PT 528.

PT 528. Ethical/Legal/Management Issues in Physical Therapy. 3 Hours.
This course allows the student to explore in detail the many legal and ethical issues inherent in the United States health care system. Tools such as the APTA code of Ethics and Standards of Practice, and the Maine Practice Act for Physical Therapy will be utilized while students resolve frequently encountered ethical and legal dilemmas through case study. The course also examines current issues and trends in physical therapy clinical management. Topics such as: reimbursement, human resource management, quality, risk, and information management are covered, to name only a few. Prerequisite(s): PT 420 and PT 412 and PT 416 and PT 418 and PT 450.

PT 530. Rehabilitation of Chronic Conditions. 3 Hours.
This course explores a variety of chronic conditions and their sequela, including metabolic, vascular, auto-immune, malignant, infectious and traumatic disorders. The course will cover the pathology, medical and surgical management, psychosocial issues, and the role of the physical therapist and other health care team members in patient evaluation and treatment. Prerequisite(s): PT 550 and PT 515.

PT 550. Musculoskeletal I. 4 Hours.
This course provides an introduction to examination, evaluation and treatment for orthopedic conditions with the emphasis on peripheral conditions. Students learn and practice screening examinations and joint specific examinations including special tests. Differential diagnosis through selective tissue tensioning lays the initial foundation for patient case development and practice throughout the course. Students examine commonly utilized orthopedic outcome tools for reliability and validity. Prerequisite(s): PT 416 and PT 418.

PT 552. Musculoskeletal II. 3 Hours.
This is the second of two courses designed to introduce students to the scientific and clinical principles involved in the evaluation and treatment of orthopedic conditions treated by physical therapists. This course will build on the orthopedic evaluation, assessment and intervention skills related to PT 550 Musculoskeletal I, PT 515 Therapeutic Skills III. This course will cover the anatomy, biomechanics, and the skills needed to evaluate and treat orthopedic related pathologies and disorders of the pelvic girdle and spine employing the assessment and intervention techniques from a McKenzie approach to low back pain and a Muscle Energy approach for the spine and pelvis. Additional topics will include Australian Lumbar Stabilization concepts, back school components and set up, ergonomics and work related functional capacity evaluations, work hardening and work conditioning programs. Prerequisite(s): PT 550 and PT 515.
PT 554. Musculoskeletal III. 3 Hours.
This is the third of three courses designed to introduce students to the scientific and clinical principles involved in the evaluation and treatment of orthopedic conditions treated by physical therapists. This course will allow students to acquire more advanced skills in the evaluation and treatment of pelvic girdle, spinal, rib cage and temperomandibular joint related orthopedic pathologies and disorders. Manual therapy techniques will be discussed based on the biomechanics of the skeletal joints. Adjunctive treatment procedures used in orthopedics will be discussed. The goal of this course is to prepare the student to evaluate and treat common disorders of the spine, pelvic girdle, and rib cage and to be able to differentiate between distal and proximal nerve pathologies. Intervention approaches will emphasize the concept of identifying the tissue or tissues in lesion when possible and applying the Optimum Stimulation for Regeneration via manual therapy techniques and exercise. Major emphasis will be placed on Nordic manual techniques with frequent reference to Australian manual therapy concepts and Medical Exercise Training concepts. Case studies will be used to help students apply the concepts. Prerequisite(s): PT 552 and PT 550 and PT 515.

PT 560. Cardiorespiratory. 3 Hours.
This course uses a mix of lectures, labs and small group sessions as well as independent study to help the student develop competencies in assessment and treatment of cardiopulmonary impairments and associated disabilities so that they can provide safe and effective patient interventions. Students will develop assessment skills that will enable them to identify acute and chronic cardiopulmonary/cardiovascular impairments across the lifespan and to choose and apply treatment strategies appropriate to the problems identified during their assessment. Prerequisite(s): PT 528 and PT 552 and PT 601.

PT 561. Pathophysiology. 3 Hours.
This course adds to the knowledge base of the student by providing instruction regarding the pathology of disease states, the implications of the disease as regards system impairments, functional limitations, and disablement. Further, the content will include discussions of the evidence in support of the available treatment of each disease discussed, and how the particular pathology influences the therapeutic regime. Students will participate in lectures and will use several vehicles to disseminate information about a chosen pathology. Prerequisite(s): PT 450 and PT 550.

PT 599. Advanced Physical Therapy Elective. 3 Hours.
This course provides advanced study in small groups of varying areas related to physical therapy practice. Prerequisite(s): PT 603 and PT 610 and PT 650 and PT 608.

PT 600. Clinical Edu III. 4 Hours.
This eight-week full-time clinical experience is designed to provide the student with competency in the intermediate to entry level skills of managing musculoskeletal dysfunction; basic to intermediate skills of managing patients with neurological, cardiopulmonary, and integumentary dysfunctions; and basic to intermediate administrative functions. The learner is expected to actively participate, with supervision, in the entire patient management process, demonstrating critical-thinking skills and effective communication skills. Prerequisite(s): PT 500.

PT 601. Research Methods I. 1 Hour.
This course is the first in a four-semester Research Methods series. Students will work in groups to initiate a research project under the guidance of a faculty researcher. Students will conduct a literature review, formulate research questions, design a research methodology to answer those questions, and develop a research proposal. If appropriate, students will submit the proposal to an Institutional Review Board. Prerequisite(s): PT 420 and PT 412 and PT 450 and PT 515 and PT 550 and MS 345.

PT 602. Research Methods II. 1 Hour.
This course is the second course in a four-semester Research Methods series. It is intended to follow the IRB approval of a research proposal. During this semester students will work in groups with their research advisor to finalize their data collection protocol, establish a data collection management system, seek participants following the guidelines established by the IRB proposal and informed consent process, initiate data collection for their research project, and document collected data following the established management guidelines. Prerequisite(s): PT 601 and PT 552 and PT 528.

PT 603. Research Methods III. 2 Hours.
This course is the third course in the four-semester Research Methods series. It intends to prepare students for writing a journal quality manuscript, with appropriate use of statistical analysis. During this semester, students will work in groups to complete the data collection and analysis for their research projects. Prerequisite(s): PT 602 and PT 554 and PT 560 and PT 520 and PT 561.

PT 604. Research Methods IV. 3 Hours.
This course is the final course in the four-semester Research Methods series. It prepares students for presentation of a completed research study using three different formats, including an oral presentation, a scientific paper, and a poster. The course discusses differences among these three formats, as well as the qualities that contribute to excellence and the pitfalls to avoid in each type of presentation. Students will also gain experience in writing a formal critique of a manuscript. Students are expected to apply the knowledge they have gained from other classes regarding presentations, communication, and education. Prerequisite(s): PT 603 and PT 610 and PT 650 and PT 661 and PT 608.

PT 605. Advanced Anatomy. 1 Hour.
This course provides a review of neural, vascular, and musculoskeletal anatomy initially covered in the first gross anatomy course. This review will make use of previously prosected cadaveric specimens as it integrates knowledge of anatomical pathology learned in previous clinical physical therapy courses. This course serves as a review for the physical therapist licensing exam. Prerequisite(s): PT 603 and PT 610 and PT 650 and PT 660.

PT 608. PT Management of Children with Neurologic Dysfunction. 3 Hours.
This course is designed to provide the PT student with clinical specialty skills in pediatric neuro-rehabilitation. Students will develop competencies in the assessment and management of the child diagnosed with any of the primary neurological conditions found in pediatrics. A holistic view of the child is stressed, especially the interrelationships among the child, the family, and the community. Prerequisite(s): PT 552 and PT 560 and PT 520.
PT 610. Neuromuscular II. 3 Hours.
This course is the second part of the series in neurological rehabilitation in the Physical Therapy program. It builds on the foundational courses of Neurophysiology and Neuromuscular I, covering the pathology, medical management, and physical therapy intervention for a number of neurological conditions that are representative of the most common neurological diagnoses seen in clinical practice. In addition to mastering new treatment techniques and interventions, students will learn to apply the principles and skills learned in previous courses to diverse neurologically-impaired populations. This course also exposes students to current benchwork scientific research related to the conditions studied, emphasizes critical analysis of primary scientific literature. Prerequisite(s): PT 661 and PT 664.

PT 615. Advanced Spinal Manual Therapy. 3 Hours.
This elective course is designed to provide the student with a more in-depth approach to evaluation and treatment techniques for the spine, pelvic girdle and ribs from a manual therapy perspective. The main emphasis of the course will be on improving clinical reasoning skills in identifying the specific lesion(s) and the treatment approach. The second goal is to improve manual skills that emphasize the Nordic approach, the Australian lumbar and pelvic stabilization concepts and the use of exercise in rehab. The treatment concepts are based on current scientific research principles. The lab sessions emphasize the development of palpation and technique application skills. The integration of manual therapy skills with exercise programs and patient education is an important component of this course.

PT 616. Sports Medicine. 3 Hours.
This elective course is designed as an overview of sports medicine from a physician-based model and a sports therapist perspective. This course includes a review of musculoskeletal therapies with an emphasis on manual skills for prevention, evaluation, and treatment of athletic injuries. The physician-based model provides an overview of all body systems as they pertain to athletics. Topics will emphasize variations from young to old and male to female athletes.

PT 617. Orthotics & Prosthetics. 3 Hours.
This course provides an analysis of contemporary upper and lower-limb orthotic and prosthetic components and trunk orthoses, including the biomechanical principles upon which the designs are based. Topics include the static and dynamic evaluation of patients fitted with orthoses and prostheses. Discussion will also include recent trends in early and prosthetic management for adults and children with amputation. The role of physical therapist as part of the rehabilitation team in selecting orthotic and prosthetic devices will be examined. Prerequisite(s): PT 554.

PT 618. Health and Wellness. 3 Hours.
This course is designed as an overview of health and wellness as it can be incorporated into a physical therapy practice. This course will review statistics, risks, treatment options, and prevention strategies for many chronic health problems. Age and gender differences will be reviewed in the discussion of treatment and prevention strategies. Students will work in groups to develop and present a health and wellness business proposal. The final copy of this proposal will be in format suitable to deliver to the student’s next employer. Prerequisite(s): PT 661 and PT 664.

PT 620. Primary Health Care. 2 Hours.
This course provides students with an overview of patient interview and evaluation techniques for the primary health care provider. As autonomous practitioners, physical therapists are responsible for identifying factors that affect a patient’s response to treatment and may necessitate referral to a physician for follow-up and treatment. This course uses a case-based approach to the medical screening process to help students develop interview and evaluation skills that facilitate this process. In addition students will learn to use pharmacological and basic laboratory data essential to the screening process. Prerequisite(s): PT 610 and PT 650 and PT 608.

PT 625. Prosthetics in Rehabilitation. 2 Hours.
This course is designed to present entry level information regarding management of the patient with an upper or lower extremity amputation. The course will be co-taught by the primary instructor and a local prosthetist, each bringing a different perspective and area of expertise to the class. Students will learn about pre-prosthetic management, prosthetic prescription, various prosthetic components, and about therapeutic skills to use when working with a patient who has had an amputation. A multi-disciplinary approach will be emphasized throughout the course. Prerequisite(s): PT 411.

PT 630. The Physical Therapist as Educator, Consultant and Advocate. 2 Hours.
This seminar course is designed to provide an examination of the educational factors supporting successful adult learning within health care settings. Students will examine the impact of identity differences (race, ethnicity, class, gender, disability and other identity differences), adult development theories and learning theories in the education of adults. Students will explore the educational principles and methodologies needed to educate various constituencies within healthcare. Through the application of theories, principles, and methodologies in a community health project, students will acquire the pedagogical foundations to develop, deliver, and evaluate educational products for their clients, professional peers and physical therapy students. Prerequisite(s): PT 552 and PT 560 and PT 520.

PT 640. Medical Imaging and Rehabilitation. 1 Hour.
This course will provide the PT clinical doctoral learner with the tools needed to interpret and apply specialized medical imaging information to the rehabilitation patient. Musculoskeletal imaging is emphasized. A basic introduction of imaging techniques for other physiological systems (CNS, Heart, lung, vascular tree) will also be incorporated (Doppler ultrasound, V/Q scan, echocardiography, radioisotope testing, etc.). This course strengthens physical therapist clinical expertise in comprehensive patient evaluation, diagnosis, treatment planning, and physician interaction. Prerequisite(s): PT 560 and PT 510 and PT 552.

PT 642. Pharmacology and Rehabilitation. 1 Hour.
This course will provide the PT clinical doctoral learner with the primary drug classes and the physiologic basis of their action. Drugs will be grouped according to their general effects and the type of disorders they are routinely used to treat. Special emphasis will be placed on drugs that are commonly used to treat people receiving physical therapy. This course will likewise address how drug therapy interacts with physical therapy, and how drugs can exert beneficial effects as well as adverse side effects that impact on rehabilitation. A specific area of focus will include geriatric pharmacology. Prerequisite(s): PT 561.
PT 650. Patient Care Seminar I. 2 Hours.
This is a seminar course in which the management of variety of actual cases is discussed in small groups. Students will each present both a written and an oral case study, based on a real patient they treated during Clin Ed II. The overall management of the patient, from initial examination to discharge from PT services, as well as follow-up care will be discussed. Discussion will focus on the strengths of the patient management provided, as well as areas that could have been improved. Evidence-based practice, and reflective practice are emphasized. Prerequisite(s): PT 552 and PT 560 and PT 520.

PT 652. Patient Care Seminar II. 1 Hour.
This capstone seminar course builds on the themes of reflective and evidence-based practice that were stressed in PT650. Management of patient cases is discussed in small groups, with additional emphasis placed on independent library research on the seminar topics. Prerequisite(s): PT 650 and PT 700.

PT 661. Exercise for Special Populations. 3 Hours.
This course builds on the knowledge base and the assessment and treatment skills that students developed during their first two years in the professional phase of the DPT. The course will allow students to investigate the role of exercise as a treatment strategy across various conditions and disease states, and across the lifespan. The focus of the course will be mastery of the Knowledge, Skills, and Abilities as set forth by the American College of Sports Medicine in their guidelines and position stands for exercise in various populations. These include, but are not limited to, Heart Disease, Hypertension, Children, Older Adults, Pregnancy, Obesity, and Diabetes. Students will participate in lectures as well as observational experiences in wellness and/or medical settings to further enhance the skills needed to assess and treat complex patients with multi-system involvement. Students will also be responsible for a semester project in which they will be challenged to defend patient interventions using evidence from current literature. Prerequisite(s): PT 560 and PT 561.

PT 664. Geriatrics. 3 Hours.
This course will provide students with the knowledge base for understanding the demographics of aging in industrialized societies, as well as the physical, psychological and emotional aspects of healthy human aging including the affects of age-related diseases and conditions. The students will be required to formulate plans for treatment of the geriatric physical therapy patient including assessment, education, and application of therapeutic interventions. Prerequisite(s): PT 510.

PT 698. Individualized Physical Therapy Remediation. 1-7 Hour.
The Individualized Physical Therapy Remediation is a variably-credit course. In this course, an individual student and a designated faculty member, or members, study subject matter as part of an individualized remediation plan for learning content that was incompletely learned in prior PT courses. The Individualized Physical Therapy Remediation course is available to DPT professional-phase students only with the written recommendation of the Physical Therapy Academic Review Committee.

PT 699. Special Topics in Health Care. 2 Hours.
Variable Topic Course in Physical Therapy.

PT 700. Clinical Education IV. 4 Hours.
This final eight week full-time affiliation provides the learner with competency in the entry-level skills of managing patients with simple to complex musculoskeletal dysfunction, neurologic dysfunction, cardiopulmonary dysfunction, integumentary problems, or complex medical conditions, as well as entry level skills in the administrative functions of the physical therapist. The purpose of this affiliation is to allow the student to participate in the full spectrum of clinical and administrative functions of the physical therapist. The learner is expected to actively participate, with supervision, in the entire patient management process, demonstrating critical-thinking skills and effective communication skills. Prerequisite(s): PT 600.

PY (PY)

Courses

PY 111. General Psychology. 3 Hours.
This is a scientifically based introduction to the discipline of psychology. It examines the study of basic patterns of behavior including motivation, learning, emotions, the physiological basis of behavior, human growth and development, personality theory and measurement, and abnormal and deviant behavior.

PY 141. Human Growth and Development. 3 Hours.
This course includes physiological processes of development including conception, prenatal growth, birth, maturation, and aging, provide a framework for examining the cognitive, affective and social development of the individual during his/her life-span. Prerequisite(s): PY 111.

PY 231. Social Psychology. 3 Hours.
This course exposes the student to classic research in the field of social influence and perception. Students are introduced to several concepts that provide understanding of the world in new ways. Prerequisite(s): PY 111.

PY 232. Abnormal Psychology. 3 Hours.
This is a comprehensive course focusing on the better understanding of the field as an area of active inquiry both in clinical practice and in research. A complete presentation of the most important theoretical models along with topics that reflect contemporary interests are examined. Developmental perspectives along with current views of abnormality and current treatment approaches are studied. Prerequisite(s): PY 111.

PY 233. Psychology of Human Sexuality. 3 Hours.
This course examines the historical, behavioral, and psychological dimensions of human sexuality. Topics typically include sexual maturation, gender identity, sexual orientation, development and maintenance of healthy sexual relationships, sexual attitudes, normal sexual behavior, abnormal sexual behavior, sexual dysfunction, sexual trauma, and cross-cultural sexual practices. Prerequisite(s): PY 111 and PY 141.

PY 242. Research Methods. 3 Hours.
In this course students will cover basic topics in research methodology in psychology. They will learn how to develop research questions, identify problems inherent in many research designs, and how to present their findings. They will also cover ethical issues related to research with human beings and animals. Prerequisite(s): PY 111 and MS 132.

PY 299. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer courses in psychology that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty. Prerequisite(s): PY 111 and (PY 141 or PY 241).
PY 322. Diversity & Multiculturalism. 3 Hours.
This course critically explores an array of cultural forces as well as issues entailed by lifestyle diversity that may help play significant roles in shaping students’ understanding of and approaches to assisting individuals with emotional or psychological difficulties or who are experiencing problem in making adaptive adjustments to life’s many transitions. Prerequisite(s): PY 111 and (PY 141 or PY 241).

PY 333. Psychology of Personality. 3 Hours.
This is a critical review of methods and content in the study of personality. The development of the field, with attention to recent applications of scientific methods to problems of personality, is examined. A survey of major theories of personality is undertaken. Prerequisite(s): PY 111.

PY 335. Intro to Rehabilitation. 3 Hours.
The course will provide a basic foundational study of rehabilitation counseling with a conceptual overview of the professional, historical, theoretical and research foundations, as well as the counseling applications of the rehabilitation profession. Prerequisite(s): PY 241 and (PY 322 or PY 232).

PY 336. Evolutionary Psychology. 3 Hours.
Evolutionary psychology will examine the impact evolutionary theory on the field of psychology. This course links psychology, anthropology, and biology and examines why contemporary humans behave and think the way they do. It examines the proximate and ultimate causes of behavior with an emphasis on function. The course begins with an overview of heredity and evolutionary theory and then discusses research on evolutionary factors that influence human learning, thinking, motivation, and emotion. It also covers the evolutionary explanations for social behavior such as cooperation and competition, and mate-selection and parenting. Prerequisite(s): PY 111 and PY 141.

PY 338. Cognitive Psychology. 3 Hours.
This course provides students with an overview of the theories and research in cognition. The course covers diverse topics such as memory, attention, judgment, decision making, problem solving, language, intelligence, sensation, perception, and sensory integration. In addition, this course integrates concepts from many diverse areas of psychology including biopsychology, learning, development, educational psychology, and sociocultural psychology, as well as other scientific disciplines. Prerequisite(s): PY 111 and PY 141 and PY 242.

PY 340. Physiological Psychology. 3 Hours.
This course examines behavior as viewed by the biological perspective. It is an introduction to and survey of the physiological bases of behavior, including biochemical and neurophysiological determinants of sensation, motor control, sleep, eating and drinking, learning and memory, language and mental disorders. Prerequisite(s): PY 111.

PY 341. Gerontology. 3 Hours.
This course is designed to expose the students to the most relevant and current problems in the field of aging and present a variety of divergent views on the appropriate solutions to these problems. The topics covered include demographic trends, the aging process, longevity, social attitudes toward old age, problems and potentials of aging, retirement, death, living environments in later life and social policies, programs and services for older people. Also, mental and physical health, cognitive and personality development, relationships and sexuality are studied. The key theories on aging and the influence of scientific knowledge, changing world views and historical events on theoretical viewpoints are examined. Prerequisite(s): PY 241 or PY 141.

PY 344. Early Childhood. 3 Hours.
This course is designed to expose students to the interplay among biological, cognitive and social factors in children’s development and examine its multiple determination. Basic research, theoretical models and applications of knowledge in areas such as prenatal environment, heredity and environment, sensation, perception and learning, emotional development, language and communications, intelligence, family, peers, morality, altruism, aggression, gender roles and differences, and technology and television are examined. Prerequisite(s): PY 241 or PY 141.

PY 345. Therapeutic Psychology. 3 Hours.
This course covers an introduction to the principles and techniques to counseling and psychotherapy with attention given to professional identity factors, theoretical and research foundations, counseling applications, current issues in therapeutic practice, and the place and obligations of the psychotherapist in the profession. Prerequisite(s): PY 111 and (PY 322 or PY 232) and (PY 241 or PY 141) and PY 412.

PY 346. Adolescent Psychology. 3 Hours.
This course examines the contextual development of adolescents as they transition through biological, cognitive, and social changes. These contextual transitions include the family, peer groups, schools, and work and leisure. Also, the developmental issues of identity, autonomy, intimacy, sexuality, achievement and psychosocial problems are explored. Prerequisite(s): PY 241 or PY 141.

PY 410. History and Systems of Psychology. 3 Hours.
This course provides students with an overview of the historical trends, influential people, theoretical developments, and empirical findings that are either foundational for the discipline or have shaped the current directions in psychology. Prerequisite(s): PY 111 and PY 141 and PY 333.

PY 411. Psychological Tests and Measurements. 3 Hours.
This course is designed to provide an introduction to the principles of psychological testing. The topics it covers include the definition of psychological testing, the role of testing in evaluation of persons, the types of tests and purposes for which they are applied, principles of test construction including a review of relevant statistical concepts, item selection, standardization, reliability and validity. In addition, this course will consider and examine some major tests used in assessment of personality, intelligence, interests, and neuropsychology and the standards for ethical practice in psychological testing. Prerequisite(s): (MS 111 or MS 141 or MS 180 or MS 181) and MS 132 and (PY 322 or PY 232) and (PY 242 or PY 342).

PY 412. Social Service Field Placement. 3 Hours.
Social Services Practicum in Psychology is designed to provide students experiences in which others are assisted or served. Students select a developmental stage of interest or identified group with a specific need, then participate in an existing program or develop a project that can assist people of this stage or identified population in need. The course content is individualized so that students explore personal and professional interests while participating in a social service project. Student’s experiences are shared during classes so that class members benefit from other’s experiences. Prerequisite(s): PY 345 and (PY 241 or PY 141).

PY 431. Behavior Modification/Seminar in Learning. 3 Hours.
This is an advanced course examining how learning principles influence human behavior. The extension of these principles and concepts emerging from the experimental analysis of behavior to problems of behavior modification in academic, social, and industrial settings is studied. Prerequisite(s): PY 333 and (PY 332 or PY 232).
PY 442. Seminar in Psychology. 3 Hours.
This is a capstone course designed to review the academic work and empirical experiences of psychology majors in the field, but not excluding the incorporation of other academic and collegiate experiences from psychology’s point of view. Additionally, this course provides students the opportunity to explore topics they deem important. The course helps prepare students for program completion and a smooth transition from collegiate to professional life. It also provides a review of the students’ academic experiences and verifies that all of the collegiate co-curricular expectations have been met. Prerequisite(s): College Level=Senior and (Major=BS Psychology · Crim Justice or Major=BS Psychology · General or Major=BS Psychology/Clinical or Major=BS Psychology · MHRT/C Certification or Major=BS Psychology).

PY 447. Trauma and Recovery. 3 Hours.
The theory and methodology of sexual abuse, non-sexual trauma, and the effects of trauma is examined. Awareness of abuse, recognizing the sources of trauma and developing a recovery plan through the use of available resources for prevention and treatment in the State of Maine will also be covered. Prerequisite(s): (PY 141 or PY 241) and (PY 232 or PY 332) and (PY 345 or PY 450).

PY 450. Introduction to Counseling and Psychotherapy. 3 Hours.
This course covers an introduction to the principles and techniques to counseling and psychotherapy with attention given to professional identity factors, theoretical and research foundations, counseling applications, current issues in therapeutic practice, and the place and obligations of the psychotherapist in the profession. Prerequisite(s): (PY 141 or PY 241) and (PY 232 or PY 332).

PY 491. Field Placement. 3 Hours.
Field Placement in Psychology is designed to introduce students to the actual fieldwork in mental health that is related to their career goals. This is a highly individualized class that is structured to meet the individual educational and career related needs of each student. Weekly class meetings will focus on issues relevant to providing mental health services to patients, becoming aware of various systems that support provision of mental health services, and increasing one’s self-awareness in regards to working in mental health systems and providing mental health services. Students must receive approval from their advisor before they can register. Prerequisite(s): (PY 141 or PY 241) and (PY 232 or PY 332).

PY 499. Topic. 3-3 Hours.
This course is intended to provide the opportunity to offer advanced courses in psychology that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty. Prerequisite(s): PY 111 and ( College Level=Junior or College Level=Senior).

RX (RX)

Courses
RX 301. Complementary/Alternative Medicine. 2 Hours.
This course will introduce students to OTC drugs, herbs, nutraceuticals, and non-drug alternatives available to patients. Evidence for benefit versus harm will be highlighted.

RX 302. Introduction to Pharmacology and Toxicology. 2 Hours.
This course will provide an introduction to the principles of pharmacology & toxicology. Course content will include basic foundational precepts of the discipline and focus on the mechanistic underpinnings of different classes of therapeutic agents. Basic toxicological principles will be covered and application to clinical therapeutics will be included. Prerequisite(s): RX 311 and RX 321 and RX 361.

RX 311. Medical Physiology and Pathophysiology I. 4 Hours.
This course will provide an in-depth examination of human physiological processes and pathologic disorders by organ system. General principles of pathology, immunology, genetics and neoplasia are introduced, along with the nervous system: peripheral; CNS, pain transmission and management; neurological and psychiatric disorders; and renal physiology and disease. Will include clinical symptom presentation and cellular basis of disease.

RX 312. Medical Physiology and Pathophysiology II. 4 Hours.
A continuation of the fall course in which the additional following organ systems will be examined: cardiovascular, endocrinology, hematology/oncology, pulmonary, GI/ hepatic, reproductive, musculoskeletal, dermatology, and otology. Prerequisite(s): RX 311.

RX 321. Pharmaceutics I: Drug Characteristics. 3 Hours.
This course will cover the general chemical and biological principles upon which the interactions between drugs and living systems are based. Pharmaceutical calculations will also be included.

RX 322. Pharmaceutics II: Drug Delivery Systems with Lab. 4 Hours.
This course integrates mathematical concepts relating to pharmaceutical dosage forms with prescription compounding techniques. Physical and chemical properties of prescription additives are considered as they affect accuracy, potency, and stability of common dosage forms. Laboratory portion involves basic compounding skills. Prerequisite(s): RX 321.

RX 331. Cognitive Skills, Comm, Case-based Critical Thinking I. 3 Hours.
Introduction to practice of pharmacy, drug info, clinical lab tests; introduction to problem solving/ critical thinking; basic pharmacy law. Top 100 drug review.

RX 332. Cognitive Skills, Comm, Case-based Critical Thinking II. 3 Hours.
An emphasis on problem solving and critical thinking focused on drug-related problems and major disease states. Topics will be integrated throughout the semester using a case-studies approach. Prerequisite(s): RX 331.

RX 341. Self-Care I. 2 Hours.
This course will acquaint the student with the history of the pharmacy profession and the therapeutic utility of a variety of herbal medicines and alternative treatment regimens as well as provide an introduction to selected over-the-counter medications.

RX 342. Medical Microbiology. 3 Hours.
Fundamentals of the microbial world with emphasis on the medical aspects of microbiology, molecular basis of pathogenicity, and chemotherapy. Expansion of basic immunological principles presented in RX 311 to include altered immune states, transplantation immunology, and network regulation of the immune response. Prerequisite(s): RX 361.

RX 350. IPPE I (Basic Community or Hospital Pharmacy). 3 Hours.
An introductory pharmacy practice experience that involves actual practice experiences in a community practice setting and permits the student, under appropriate supervision and as permitted by practice regulations, to develop a understanding of the basic tenets of community practice setting.
RX 351. Rural Community Pharmacy Practice with Skills Lab. 3 Hours.
This course is designed to provide students with the foundation necessary to understand the needs and resources required in providing rural pharmacy healthcare access and to be able to practice pharmacy effectively in the rural community setting. A combination of didactic lectures and laboratory experiences will prepare students for their first Introductory Pharmacy Practice Experience (IPPE), while emphasizing the unique aspects of rural healthcare delivery.

RX 352. Communications and Ethics. 2 Hours.
An understanding of the foundations of clinical communication, including direct and indirect clinical communication techniques to increase the participation of patients in achieving positive clinical outcomes and maximizing their health-related quality of life. Common ethical issues will be discussed.

RX 361. Medical Biochemistry. 3 Hours.
General overview of major metabolic pathways, electrolyte balances and enzymatic systems important for drug pharmacodynamics.

RX 362. Practice Skills Lab I. 1 Hour.
The course is designed to provide students with an in-depth introduction to all aspects of skillful delivery of community pharmacy services. Prerequisite(s): RX 351.

RX 371. Medical Physiology and Pathophysiology I Recitation. 1 Hour.
This recitation will support the lecture material provided in RX 311 with special emphasis on clinical laboratory tests.

RX 372. Medical Physiology and Pathophysiology II Recitation. 2 Hours.
This recitation will support and reinforce the lecture material provided in RX 312.

RX 401. Pharmacy Management. 3 Hours.
This course is designed to provide the student with a broad base of information and skills for pharmacy management in various professional practice settings. Management principles covered include planning, organizing, directing budgeting, and operating a pharmacy and to use the economic analyses to manage limited pharmacy resources. The course prepares the pharmacy student to understand and work at various levels of management.

RX 403. Self-Care II. 2 Hours.
This course is a continuation of Self Care I and will acquaint the student with additional over-the-counter medications and point-of-care testing devices.

RX 411. Clinical Research Design and Statistics. 3 Hours.
The intent of this course is to familiarize students with appropriate clinical experimental design and statistical methods of analysis. Continued emphasis on drug information will be provided, which will enhance student’s ability to critically evaluate the literature. An overview of medical epidemiology will round out the course.

RX 412. Pharmacogenomics and Biotechnology. 3 Hours.
This course will present information covering the breadth of biotechnology including transcriptional regulation, cloning, recombinant protein synthesis, gene therapy and stem cell biology. Additionally, specific applications of genetics and genomics to drug metabolism and distribution will be provided stressing the significance of genetic variation in determining the handling of xenobiotics by the body. Prerequisite(s): RX 311 and RX 312 and RX 342 and RX 361.

RX 421. Pharmacology and Medicinal Chemistry I. 4 Hours.
This course will provide an in-depth survey of pharmacology with particular coverage of drugs affecting the peripheral and central nervous systems; treatment of inflammatory states; agents that influence water and ion conservation; and the cardiovascular system. Selected topics of importance for understanding the structure-activity relationship of agents in each class will be discussed.

RX 422. Pharmacology and Medicinal Chemistry II. 4 Hours.
This course is a continuation of RX 421 with coverage of drugs in the following areas: antimicrobial & antiparasitic agents; antivirals; chemotherapeutic agents used against neoplasm; immunomodulators; anemia and blood dyscrasias; hormone therapy; dermatologic preparations; ophthalmic drugs; and an introduction to toxicology.

RX 431. Cognitive, Community, & Case-based Crit. Thinking III. 3 Hours.
Problem solving sections will continue with case-based review of problems and patient-centered care approaches that coincide with topics in the Drug Action.

RX 432. Cognitive, Communication, & Case-based Crit. Thinking IV. 3 Hours.
Continuation of problem solving sections case-based review of problems and patient-centered care approaches that coincide with topics in the Drug Action.

RX 433. Principles of Pharmacokinetics. 3 Hours.
This course will provide conceptual and quantitative description of pharmacokinetic (PK) theory and its clinical application by combining physiology, pharmaceutics, mathematics and clinical assessment. The time course of drug absorption, distribution, metabolism, and excretion and physiological factors that influence each process are described to explain the fate of the drug administered. Application to clinical situation to design and optimize dosage regimen is also discussed.

RX 434. Rural Health Systems Pharmacy Practice with Skills Lab. 3 Hours.
This course is designed to provide students with the foundation necessary to understand the needs and resources required in providing rural pharmacy healthcare access and to be able to practice pharmacy effectively in the rural institutional setting. A combination of didactic lectures and laboratory experiences will prepare students for their second Introductory Pharmacy Practice Experience (IPPE), while emphasizing the unique aspects of rural healthcare delivery.

RX 441. Natural Products Debate. 2 Hours.
Using a debate format, this course is designed to provide students with a more in-depth understanding of the mechanism of action, efficacy, safety and scientific evidence available for the top selling natural products in use today.

RX 442. Pharmacoeconomics. 3 Hours.
This course is designed to introduce the pharmacy student to economic theories relevant in the health care arena and the application of pharmacoeconomic methodologies in evaluating drug therapy management. Pharmacoeconomic topics to be covered include cost-minimization analysis (CMA), cost-benefit analysis (CBA), cost-effect analysis (CEA), and cost-utility analysis (CUA). Additional topics in epidemiology will be included. At the end of this course, students will comprehend the economic factors driving the decision making process found in the health care industry and evaluate the pharmacoeconomic literature for the purpose of decision making.
RX 450. Introductory Pharmacy Practice Exp – Institutional. 3 Hours.
The goal of this rotation is to expose students to the everyday practice of pharmacy in the institutional setting. Students will be introduced to all aspects of professional interactions with patients and coworkers, medication distribution and/or dispensing, and pharmacy management. It is to be understood that students have achieved and can demonstrate competency in the categories mentioned in IPPE-Community and that this institutional rotation is to build on these competencies and advance student’s learning to the next level.

RX 451. Bone and Joint Disorders. 2 Hours.
This course will provide a more detailed description of normal bone and joint structure, function and metabolism, pathophysiology of major disorders including various forms of osteoporosis, Paget’s disease, osteomalacia, rheumatoid and osteoarthritis, osteogenesis imperfect, bone cancer, diagnosis and available treatments for these disorders. Prerequisite(s): RX 311 and RX 312.

RX 452. The Drug Dev Proc from Inception to Approval & Market. 2 Hours.
This course will provide a detailed description of drug discovery and development through regulatory approval and marketing in the Pharmaceutical industry. It will cover the impact of generic drugs and of managed healthcare organizations. The course will include real-life examples from the instructors 20 years experience in the industry. Prerequisite(s): RX 321.

RX 461. Pharmaceutical Analysis. 2 Hours.
This course will cover an introduction and survey of instrumental methods and detailed study of the analytical techniques with particular reference to pharmaceutical applications. It includes chromatographic analysis of pharmaceutical agents, metabolites, and clinical samples, methods for identification of pharmaceutical agents and metabolites, and spectral techniques used in quantitative analysis of clinical samples. Prerequisite(s): RX 361 and RX 321 and RX 322.

RX 462. Drug Abuse and Society. 2 Hours.
This course is designed to provide an overview about drug abuse in our society and the physiological and psychological properties believed to be inherent to abused drugs. We will compare and contrast the incidence, risks and harm associated with major drugs of abuse. Student presentations will be an important component of this course.

RX 464. Practice Skills Lab II. 1 Hour.
This course is designed to provide students with a survey of competent and efficient delivery of patient centered pharmacy services. Emphasis is placed on patient safety in the context of therapeutic solution finding incorporating information management, therapeutic planning, monitoring and outcomes, and professional communication skills.

RX 471. Advances in Drug Delivery Systems. 2 Hours.
This course will cover advanced delivery systems used in the clinical market and research field to improve therapeutic efficacy of agents. Prerequisite(s): RX 321 and RX 322.

RX 472. Pharmaceutical Marketing and Promotion. 2 Hours.
The course is designed to provide a comprehensive and thorough overview of marketing and advertising of FDA approved drugs in the US. Emphasis will be placed on the environment of pharmaceutical marketing, marketing research, pharmaceutical advertising, product branding, and pharmaceutical detailing. Prerequisite(s): RX 401.

RX 474. Pharmacotherapeutics I. 3 Hours.
This course provides an introduction to the concepts involved in ensuring the safe, appropriate, and economical use of drugs in patient care. Successful completion of the entire Pharmacotherapeutic course series is a prerequisite to advance clinical practice experiences (APPE). This course emphasizes a basic foundation in medication therapy management through an overview of the general principles of case-based problem-solving and a systematic approach to rational drug selection. Topics in clinical pharmacokinetics, special populations, and evidence-based medicine are also discussed. In addition, student explore the application of these principles to several common disease states.

RX 481. Contemporary Issues in Women's Health. 2 Hours.
This course is intended to increase understanding of how being a woman impacts health risks and outcomes from physiological, psychological and societal perspectives.

RX 482. HIV/AIDS. 2 Hours.
HIV/AIDS is a modern day pandemic that has killed millions worldwide and has infected even more. This course will investigate various aspects of this scourge, including, how HIV infects and manipulates a cell to produce new virus, how HIV leads to AIDS, available treatments, current research, epidemiology of the disease, its impact on various societies, and its history. Prerequisite(s): RX 342.

RX 490. Special Topics in Research. 2 Hours.
This is an elective offering for students to gain experience conducting research by working closely with a School of Pharmacy faculty member. Students will learn the scientific method and be involved in a specific project overseen by the faculty member. This is a lab-type course. Students need to talk with faculty members about their research interests and be approved to sign up for the appropriate section.

RX 491. Pharmacology & Medicinal Chemistry Recitation I. 2 Hours.
This is the third section of a six-semester sequence designed to enhance students’ team-based critical thinking and problem solving abilities while reinforcing content presented in third semester didactic courses. Prerequisite(s): RX 372.

RX 492. Integrated Recitation: PMC II and Therapeutics I. 2 Hours.
This is the fourth section of a six-semester sequence designed to enhance students’ team-based critical thinking and problem solving abilities while reinforcing content presented in third semester didactic courses.

RX 499. Topic/. 1-6 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in Pharmacy under the guidance of Pharmacy faculty.

RX 501. Social and Behavioral Pharmacy. 2 Hours.
This course will provide an understanding of the foundations of social & behavioral pharmacy, including topics in health promotion, disease prevention and pharmacoepidemiology that will allow pharmacists to help patients achieve positive outcomes and maximizing their health-related quality of life.
RX 511. Ambulatory Care and Management I IPPE. 1.5 Hour.
This third year Introductory Pharmacy Experiential Education course introduces students to the role of the pharmacist in ambulatory care rural settings and the management roles in which pharmacists participate during practice without regard to the practice setting. The student acquires the confidence, knowledge, skill, and professionalism required for pharmacists to function competently. The student will gain experience in communicating with patients, other healthcare providers, and employees involved in pharmacy practice. The students will be able to apply their didactic and basic pharmaceutical sciences learned in the classroom and support their readiness for APPE coursework.

RX 521. Pharmacotherapeutics II. 4 Hours.
This course introduces students to the basic knowledge and skills required to practice. Successful completion of these courses (DA 5 and 6) is prerequisites to advance clinical practice experiences (APPE). The emphasis of these courses is on the medical management of most common disease states that student may encounter during the clinical rotation. The course augments the ability of students to develop evidence-based treatment guidelines and clinical recommendations, pharmacokinetics and therapeutic medication monitoring and management following a similar organ-based sequence as for the pathophysiology and the P2 year of the Drug Action sequence. Of particular focus is pharmacotherapy for the peripheral and central nervous systems, inflammatory disease states, endocrine disorders, kidney disease and correction of electrolyte and nutrient imbalances.

RX 522. Drug Action VI. 4 Hours.
This course will introduce the students to the basic knowledge and skills required to practice in the real world. Successful completion of these courses (DA 5 and 6) is prerequisites to advance clinical practice experiences (APPE). The emphasis of these courses will be placed on the medical management of most common disease states that student may encounter during the clinical rotation. The course will augment students’ ability to develop evidence-based treatment guidelines and clinical recommendations, pharmacokinetics and therapeutic medication monitoring and management following a similar organ-based sequence as for the pathophysiology and the P2 year of the Drug Action sequence. Of particular focus will be pharmacotherapy for the peripheral and central nervous systems, inflammatory disease states, endocrine disorders, kidney disease and correction of electrolyte and nutrient imbalances.

RX 531. Cognitive, Communication, and Case-based Critical Thinking V. 3 Hours.
Designed to provide students with a survey of competent and efficient delivery of patient centered pharmacy services. Emphasis will be placed on therapeutic solution finding incorporating information management; therapeutic planning, monitoring and outcomes; and professional communication skills.

RX 532. Cognitive, Communication, and Case-based Critical Thinking V. 3 Hours.
Continuation of RX 531. Designed to provide students with a survey of competent and efficient delivery of patient centered pharmacy services. Emphasis will be placed on therapeutic solution finding incorporating information management; therapeutic planning, monitoring and outcomes; and professional communication skills.

RX 533. Individualized Kinetic Dosing Lab. 1 Hour.
This course provides students with a survey of competent and efficient delivery of patient centered pharmacy services using applied pharmacokinetics. Emphasis will be on Individualized Dosage Regimen design/revision; incorporating clinical pharmacokinetic information management, therapeutic planning, patient response monitoring, outcomes assessment; and professional communication skills.

RX 541. Vaccinations. 2 Hours.
This course is designed to prepare students for certification in administration of drugs and immunizations upon graduation and licensure as a pharmacist. Using CDC and ASHP guidelines, the course will focus on immunological, administrative, and clinical considerations for pharmacists administering vaccines. Prerequisite(s): RX 432 and RX 422.

RX 542. Pharmacy Capstone. 4 Hours.
This course will develop communication skills by preparation and presentation of a professional seminar. Students will research the clinical literature on a pharmacy related topic of interest and learn techniques for the most effective means of communicating this to a professional audiences.

RX 550. IPPE Other Non Traditional. 3 Hours.
The goal of IPPE non-traditional rotation is to offer P3 students the opportunity to explore a more specialized area of pharmacy practice or to spend more time in a community/institutional setting to gain more confidence in that particular area of practice prior to going on advanced rotations. In a specialized setting the rotation should serve as an introduction to the specialty. For example, if a student is interested in Oncology but is uncertain of what the practice setting entails, this rotation will introduce the student to oncology pharmacy practice and how it is similar and/or different from practice in a general practice pharmacy.

RX 551. Advanced Drug Information. 3 Hours.
This course develops the skills for our student-pharmacists to search, find, and evaluate scientific literature to provide written pharmacotherapy summaries and evidence-based, clinically-focused answers to healthcare professionals’ question(s), targeting an overall goal of optimizing patient care.

RX 552. Pharmacy Law. 3 Hours.
This course is intended to provide an overview of federal and state laws that regulate the practice of pharmacy. This course will cover legal and ethical issues that can occur as pharmacists practice patient-centered care and medication management.

RX 561. Sports and Exercise Medicine for Pharmacists. 2 Hours.
Covers the role the pharmacist can have in helping with minor injuries, sports related illnesses, and the education of the adverse affects of "doping".

RX 562. Clinical Toxicology. 2 Hours.
This course covers the study of the clinical toxicology of therapeutic agents, some natural products and some venoms. Mechanisms of toxicity, causes, detection and treatment will be discussed where relevant.

RX 563. Drug Development Process from Inception to Approval and Mark. 2 Hours.
The goal of this course is to provide a detailed understanding of drug discovery and development through regulatory approval and marketing in the Pharmaceutical industry. It will cover the impact of generic drugs and of managed healthcare organizations.

RX 564. Drug-Drug Interactions. 1 Hour.
This course expands upon drugs interactions and delves into the underlying mechanisms. Additionally, clinically relevant drug interactions for different classes of medications will be reviewed to prepare students to identify and prevent harmful drug-drug interactions in a variety of practice settings. Students will be expected to use previously gained knowledge to research drug-drug interactions. Prerequisite(s): RX 521.
RX 565. Geriatric Pharmacotherapy. 2 Hours.
This elective is designed for students to learn key geriatric pharmacotherapy principles and gain insight into the complex needs of older adults through didactic instruction, case-based problem solving, and self-assessment questions. The course will prepare the student to provide pharmaceutical care to elderly patients by learning general principles of aging, geriatric assessment skills, and pharmacotherapy of selected disease states and syndromes common to the senior population.

RX 566. Drug-Induced Psychiatric Diseases. 1 Hour.
This course involves the study of neuropsychiatric diseases that are caused or induced by medication use. Students will learn to think about the possibility of medication contribution to CNS disorders; how to identify and categorize these drug-induced diseases; and how to prevent them and/or manage them when they occur.

RX 567. Ambulatory Care Pharmacotherapy. 2 Hours.
This elective course is designed to expose students to advanced issues surrounding the appropriate use of medications in ambulatory patients. A systematic approach to the identification and resolution of drug therapy problems will be developed through the use of various methodologies, including work-ups of patient cases, journal club exercises, and debates of clinical controversies. Students will be expected to justify their decisions based on an evaluation of the current literature.

Students will gain understanding of CAMS therapy by direct experience and reflection which will be complemented with more in-depth knowledge of the benefits and limitations of selected methods from recent research.

RX 569. Infectious Diseases. 2 Hours.
This advanced elective course utilizes active learning strategies to address the therapeutic use of anti-infective agents in the treatment of selected infectious diseases. Pharmacology, pharmacokinetics, pharmacodynamics, and clinical microbiology topics will be integrated and reinforced throughout the student’s experience. Problem based learning strategy will provide students the opportunity to apply therapeutic principles and evaluate the management of specific infectious diseases.

RX 571. Pharmacy Practice Management. 3 Hours.
This course provides the student with a broad base of information and skills to practice in pharmacy management in various professional settings. Management principles covered include planning, organizing, directing budgeting, and operating a pharmacy and to use the economic analyses to manage limited pharmacy resources. The course prepares the pharmacy student to understand and work at various levels of management.

RX 572. Clinical Chemistry. 2 Hours.
The influence of disease states on the results of laboratory diagnostic procedures and the effects of drug therapy on diagnostic procedures.

RX 582. Critical Care. 2 Hours.
Designed to emphasize the efficacy, safety, and comparative value of drug therapy in the pharmacotherapeutic management of critically ill patients. Knowledge of physiology, pharmacology, and drug therapy management is applied to disease states and conditions specific to this population. Didactic instruction is augmented by active learning through case studies and discussion of contemporary issues in critical care.

RX 583. Essential Medical Literature for Primary Care. 2 Hours.
This advanced elective course covers the essential and practice changing studies that clinical practitioners should be familiar with in relation to primary care. The course covers basic points of medical literature evaluation as well has how to apply medical literature to practice.

RX 584. Infectious Diseases. 2 Hours.
This advanced elective course utilizes active learning strategies to address the therapeutic use of anti-infective agents in the treatment of selected infectious diseases. Pharmacology, pharmacokinetics, pharmacodynamics, and clinical microbiology topics will be integrated and reinforced throughout the student’s experience. Problem based learning strategy will provide students the opportunity to apply therapeutic principles and evaluate the management of specific infectious diseases.

RX 591. Applied Pharmacotherapeutics I Recitation. 2 Hours.
This course helps students develop practice skills in concert with improvement in critical thinking and problem solving abilities. Course outcomes foster effective and compassionate delivery of patient-centered care.

RX 599. Topic/. 1 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in Pharmacy under the guidance of Pharmacy faculty.

RX 601. Inpatient - Acute Care. 6 Hours.
In this course students will participate in a 6 week, 40 hours per week, full-time experience, under the direction of a preceptor, in pharmacy practice to provide effective and appropriate patient-centered pharmaceutical care to patients in an inpatient/acute care setting.

RX 602. Hospital - Health Systems. 6 Hours.
In this course, students will gain the knowledge to deliver effective and appropriate patient care to hospital patients. The student will become a member of an interdisciplinary team in order to provide superior patient-centered care.

RX 603. Ambulatory Care. 6 Hours.
In this course, students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in an ambulatory pharmacy practice to provide effective and appropriate patient-centered pharmaceutical care in the ambulatory setting.

RX 604. Community Pharmacy. 6 Hours.
In this course, students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in a community pharmacy to provide effective and appropriate patient-centered pharmaceutical care in the community setting.

RX 605. Rehabilitation Care Medicine. 6 Hours.
In this course, students will gain the knowledge to deliver effective and appropriate patient care to acute rehabilitation care patients. The student will become a member of an interdisciplinary team in order to provide superior patient-centered care.

RX 606. Emergency Care. 6 Hours.
In this course, students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in emergency medicine pharmacy practice to provide effective and appropriate patient centered pharmaceutical care in the emergent care setting.
RX 607. Geriatric Care. 6 Hours.
In this course students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in pharmacy practice to provide effective and appropriate geriatric patient centered pharmaceutical care.

RX 608. Pain Management. 6 Hours.
In this course, students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in pain management pharmacy practice to provide effective and appropriate patient centered pharmaceutical care in the pain management care setting.

RX 609. Oncology. 6 Hours.
In this course, students will gain the knowledge to deliver effective and appropriate patient care to patients with oncology disorders. Specifically, students will obtain practical experience to evaluate, implement, and monitor chemotherapeutic and non-chemotherapeutic drug therapy, to optimize the delivery of pharmaceutical care and improve the therapeutic outcomes in patients. The student will become a member of an interdisciplinary team in order to provide patient-centered care.

RX 610. Pediatric Care. 6 Hours.
In this course students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in pharmacy practice to provide effective and appropriate pediatric patient centered pharmaceutical care in the pediatric setting.

RX 611. Infectious Disease. 6 Hours.
In this course, students will gain the knowledge to deliver effective and appropriate patient care to infectious disease (ID) patients. The student will become a member of an ID team in order to provide patient-centered care.

RX 612. Psychiatric Care. 6 Hours.
In this course, students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in psychiatric pharmacy practice to provide effective and appropriate psychiatric patient centered pharmaceutical care in the psychiatric setting.

RX 613. Indian Health Service. 6 Hours.
In this course, students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in an ambulatory pharmacy practice to provide effective and appropriate patient centered pharmaceutical care in the US Public Health Care Indian Health setting.

RX 614. Pharmacy Academia. 6 Hours.
In this course, students will be incorporated into the pharmacy faculty within a college of pharmacy. Students will be exposed to didactic lecturing, laboratory facilitation, research (as available), and general management within academia.

RX 615. Association Administration. 6 Hours.
In this course, students will become an integral member within a professional pharmacy organization environment. The student will work with preceptors to address membership as well as organizational and business structure and services.

RX 616. Food and Drug Administration. 6 Hours.
In this course, students will become an integral member within a professional pharmacy organization environment. The student will work with preceptors to address membership as well as organizational and business structure and services.

RX 617. Pharmacy Research. 6 Hours.
In this course, students will participate in original research (discovery, translational, clinical) as directed by their preceptor. The research activities performed by each student will vary by area of scholarship but may include research design & planning, data collection & analysis, and presentation.

RX 618. Drug Therapy Management. 6 Hours.
This course offers student pharmacists full time opportunities to apply the knowledge and synthesize the didactic information and skills required for direct patient care in pharmacy practice both in the community and health system environments. This direct patient care course offers students to function as an integral member of a healthcare team and to actively be involved in the care of patients. Students are expected to demonstrate professional communication, maturity and judgment skills with exceptional work habits. The overall goal of this course is for students to understand and obtain practical experience to evaluate, implement, and monitor drug therapy, to optimize the delivery of pharmaceutical care and improve the therapeutic outcomes in patients with a variety of disease states. Successful completion of this experience will provide students the opportunity to develop confidence to provide effective and appropriate patient centered pharmaceutical care in the pharmacy practice setting.

RX 619. Administration. 6 Hours.
In this course, students will become an integral member within a professional pharmacy organization corporate environment. The student will work with the preceptor to address administrative management as well as organizational and business structure and services.

RX 620. Nuclear Pharmacy. 6 Hours.
In this course, students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in a centralized nuclear pharmacy to providing effective and appropriate radiopharmaceutical compounding and dispensing. In addition to learning the concepts and sciences of nuclear pharmacy and associated regulations and guidelines for the practice, students will participate in preparation, storing and dispensing of radiopharmaceuticals for use in nuclear medicine departments, as well as receive and ship radioactive packages.

RX 621. Cardiology Care. 6 Hours.
In this course students will participate in a 6 week, 40 hours per week, full-time experience, under the direction of a preceptor, in pharmacy practice to provide effective and appropriate patient centered pharmaceutical care to cardiology patients in acute care settings.

RX 622. ICU Critical Care. 6 Hours.
In this course students will participate in a 6 week, 40 hours per week, full-time experience, under the direction of a preceptor in pharmacy practice to provide effective and appropriate patient centered pharmaceutical care to critically ill patients in intensive care unit settings.

RX 623. OTC Self-Care Community Pharmacy. 6 Hours.
In this course, students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in a community pharmacy to provide effective and appropriate patient centered pharmaceutical care in the community setting.

RX 624. AACP Professional Pharmacy Organization. 6 Hours.
In this course, students will become an integral member within a professional pharmacy organization environment. The student will work with preceptors to address membership as well as organizational and business structure and services.
RX 625. Collaborative Transitional Ambulatory Care. 6 Hours.
This direct patient care course allows students to function as an integral member of the community outreach healthcare team and to be actively involved in the care of patients. Students are expected to demonstrate advanced critical thinking, professional communication, maturity, and judgment skills with exceptional work habits. The overall goal of this course is for students understand and obtain practical experience to evaluate, implement, and monitor drug therapy, to optimize the delivery of pharmaceutical care and improve the therapeutic outcomes in patients with a variety of disease states.

RX 626. Drug Information and Medical Writing. 6 Hours.
In this course, students will participate in a 6-week, full-time (40 hours/week) experience, under the direction of a Pharmacy Practice preceptor, to learn essential drug information (DI) and medical writing skills that will enhance the students’ impact in a variety of pharmacy practice settings. The DI component will focus on core DI skills including gathering appropriate background information, conducting systematic literature searches, integrating scientific/medical evidence and preparing and communicating DI responses. The medical writing component will focus on project management, document organization, table development, proper citation, and preparation of written documents of various types.

RX 627. Pharmacy Informatics. 6 Hours.
This APPE course offers student pharmacists full time opportunities to apply the knowledge and synthesize the didactic information and skills required for non-direct patient care within the clinical pharmacy care environment. This non-direct patient care APPE offers students the ability to function as an integral member of pharmacy care team involved with publishing, writing, evaluating medical information. The course focuses on fundamentals of pharmacy informatics such as pharmacy automation technology and information systems in a hospital setting. This APPE is beneficial to students who are interested in hospital pharmacy practice or those interested in specializing in pharmacy informatics.

RX 628. Advanced Ambulatory Care. 6 Hours.
Using an educator-practitioner model, the student will directly involve him/herself in the development of drug treatment regimens for selected patients. The experience will include literature evaluation, development of drug monographs, patient interviews, data interpretation, assessing drug therapy, making recommendations for monitoring drug therapy, and utilizing evidence-based principles of pharmacotherapy to develop an optimal therapeutic plan for patients with disease states that are commonly treated in an outpatient setting.

RX 629. Specialty Care Pharmacy. 6 Hours.
The Specialty Care Pharmacy APPE course offers student pharmacists the opportunity to apply the knowledge and synthesize the didactic information and skills required for direct patient care in the specialty care and the pharmacy practice environment. This direct patient care APPE offers students the experience to function as an integral member of the healthcare team and to be actively involved in the care of patients. Students will participate in a practice that provides an integrated model caring for patients with complex disease states and chronic conditions that require advanced drug therapies, injectable medications and more complicated treatment regimens. This may include, but is not limited to individualized dosing care, pharmacetics and compounding medication preparations. Students are expected to demonstrate professional communication, maturity and judgment skills with exceptional work habits. The overall goal of this APPE course is for students to understand and obtain practical experience, to evaluate, implement, and monitor drug therapy, to optimize the delivery of pharmaceutical care, and to improve the therapeutic outcomes in patients with a variety of disease states. Successful completion of this experience will give students the opportunity to develop confidence to provide effective and appropriate patient-centered pharmaceutical care in the pharmacy practice environment.

RX 630. Compounding Pharmacy. 6 Hours.
The Compounding Pharmacy APPE course offers student pharmacists the opportunity to apply the knowledge and synthesize the didactic information and skills required for direct patient care in the compounding pharmacy practice environment. This direct patient care APPE offers students the experience to function as an integral member of the healthcare team and to be actively involved in the care of patients. As the pharmacy care provider students will demonstrate competency and understanding of pharmaceutics, pharmaceutical calculations, and medication evaluations to ensure appropriate preparation, administration, stability and compliance with compounding standards and regulations. Students are expected to demonstrate professional communication, maturity and judgment skills with exceptional work habits. The overall goal of this APPE course is for students to understand and obtain practical experience, to evaluate, implement, and monitor drug therapy, to optimize the delivery of pharmaceutical care, and to improve the therapeutic outcomes in patients with a variety of disease states. Successful completion of this experience will give students the opportunity to develop confidence to provide effective and appropriate patient-centered pharmaceutical care in the pharmacy practice environment.

RX 631. Long Term Geriatric Care. 6 Hours.
This APPE course students will participate in a 6 week, 40 hours a week, full-time off-campus experience, under the direction of a preceptor, in pharmacy practice to provide effective and appropriate closed pharmacy system services for non-patient centered pharmaceutical care in the long term care and/or assisted living setting.

RX 632. Substance Abuse Prevention. 6 Hours.
In this APPE course, students will participate in a 6 week 40 hours a week, full-time off-campus experience, under the direction of a preceptor in substance abuse prevention, to provide educational material in the community setting.
RX 633. Poison Control Prevention. 6 Hours.
In this APPE course, students participate in a 6-week, full-time (40 hours/week) experience, to develop an understanding of history, role and functions of poison control centers. Students learn the mechanisms-of-action, toxicokinetics and treatment of common poisonings and toxic exposures related to household products, insecticides and pesticides, industrial toxicants, hazardous material spills, drugs of abuse, drugs used in suicide and homicide, and drugs involved in clinically-significant adverse events, interactions and therapeutic errors. Students consider age- and disease-associated patient factors in evaluating the potential for drug and chemical toxicity. Students also conduct literature research on complex questions; prepare topic reviews; compile ready-reference materials for contact center staff; and participate in case reviews, teaching rounds, journal clubs and interprofessional small group discussions.

RX 699. Topic/. 1 Hour.
This course of variable content will provide students with the opportunity to explore selected topics in Pharmacy under the guidance of Pharmacy faculty.

SC (SC) Courses

SC 101. Introduction to Nutrition. 3 Hours.
This course serves as an introduction to nutritional concepts and to the interconnections of health, nutrition, weight, and physical activity. This course is particularly appropriate for students with no science background.

SC 104. Organismal Biology. 3 Hours.
Organismal Biology is an introductory biology course with an integrated lab, intended primarily for non-science majors. This course enables the student to become aware of their role in the complex biological system in which they live. Students will learn about plant biology, animal biology and microbiology in the context of how these organisms have shaped our current state of biodiversity. Since all organisms grow, develop and subsist within an environment, topics will include how organisms survive in, and interact with other organisms within their ecological community.

SC 105. Headline Science. 3 Hours.
This course explores various contemporary issues in science using an integrative and societal approach. Students will study the topics from a biological, chemical, physical, and environmental perspective, and relate the significance of the scientific matter to their major field of study. This course is intended for non-science majors.

SC 120. Functional Anatomy and Physiology. 3 Hours.
Functional Anatomy and Physiology is a one semester, 3 credit lecture with a separate laboratory course designed to give the non-science major knowledge of the human body and its relationship with the environment. Topics covered include: the chemical basis of life, the anatomy & physiology of all organ systems, growth, development, heredity and biotechnology issues.

SC 131. Human Genetics. 3 Hours.
This course is designed for nonscience majors to support the natural interest of most people in those human physical, behavioral, and social characteristics that have a hereditary basis. Lectures, discussions and the solving of simple genetic and statistical problems are used to form a basis for the consideration of current social issues with genetic implications.

SC 134. Introduction to Geology. 3 Hours.
The course, specifically designed for the Environmental Science majors, introduces fundamentals of geology in the environmental context. The issues of local and global environmental changes are placed into a broader perspective of the functioning of the Earth system. Students are introduced into the science of Earth materials: rocks, minerals, soils, and waters and the processes forming them. The internal processes (plate tectonics, earthquakes, volcanoes) and surface processes (streams, flooding, coastal zones, mass movements, glaciers, winds, desertification) are presented from the point of view of their influence on the geologic hazards, and on the distribution of natural resources. The interrelation of geology and human activities is examined in such contexts as waste disposal, air pollution, water contamination, climate change, land degradation, and resource and energy consumption. The format of this course includes one local field trip, lab activities on rocks and minerals identification, and introduction to topographic and geologic maps.

SC 135. Introduction to Meteorology. 3 Hours.
This course provides the student with a basic understanding of weather phenomenon and how weather is predicted. Students will master the terminology of weather prediction; explore the water cycle, and how the sun affects weather. The course will also treat atmospheric circulation, cloud formation and identification and students will learn how to make weather assumptions based on observations of temperature, pressure, humidity, wind direction, and sky cover. Students will also learn how weather data is collected and how forecasters make predictions based on previous and current weather observations.

SC 141. Environmental Science. 3 Hours.
This course is a survey of the important topics in environmental science. Concepts of energy flow and nutrient cycling are explored in the context of human impacts upon these processes. Sources of pollution and their total effect on ecosystem and biosphere function are also explored. Management of material wastes and energy efficiency is an integral theme of the class. This class satisfies the laboratory science requirement with a series on in-class lab experiences and field trips.

SC 142. Conservation and Resource Management. 3 Hours.
This course emphasizes the basic principles of conservation that are applied to utilization and management of natural resources such as soil, water, range lands, forests, wildlife, minerals, and human populations. The study of the interrelationships between living organisms and their environment is known as ecology. This course applies ecological concepts to conservation problems and policies. Prerequisite(s): SC 141.

SC 145. Environmental Science Field Experience I. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.
SC 146. Environmental Science Field Experience II. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 147. Environmental Science Field Experience III. 1 Hour.
This course provides students with Environmental Science job experiences on and off campus. These experiences range in length from days to months, but are less rigorous and in-depth than traditional internships. The experience will be composed of time spent with a professional from an Environmental Science profession while working in their area of expertise. Areas of concentration include, but are not limited to: agriculture, compliance, energy systems, environmental monitoring, land use, natural resources management, policy, research, and sustainability. The student should have three experiences in different areas of concentration in order to expose them to a variety of employment experiences in their first two to three years of the Environmental Science program, and assisting the student in determining the focus of the coursework for the last year of their program. Each field experience must be coordinated through, and approved by, the director(s) of the Environmental Science program.

SC 150. Astronomy of the Solar System. 3 Hours.
This is an introductory astronomy course with a virtual observing component that is intended to give the students some basic knowledge about the world in which we live. The primary objective of this class is to help the students understand the solar system. The course will present an overview of the night sky, the constellations, light - telescope and the nature of stars and the galaxies but the emphasis will be on understanding our solar system. The Sun, Earth, Moon, planets and their satellites, asteroids and comets will be studied in some detail. No mathematics or physics background is assumed in this course.

SC 151. Conceptual Physics. 3 Hours.
Conceptual Physics is an introductory physics course with an integrated lab, intended primarily for non-science majors. In this course we will study motion, mechanics, gravity, heat, electricity, magnetism, optics, atomic, nuclear and molecular physics, and relativity. We will also learn about the process by which physicists attempt to understand the intriguing laws of nature. The course will be taught using a combination of lectures, classroom demonstrations and laboratory experiments. Understanding of the fundamental concepts rather than number crunching is emphasized in this course and the equations will serve to refine the concepts and facilitate student’s thinking process. Ultimately, it is hoped that by taking this course the student will develop a better appreciation for the natural world.

SC 167. Energy and Society. 3 Hours.
This course examines the basic physical principles underlying various energy technologies and develops the quantitative skills necessary to evaluate these technologies. Students present their work in both written and oral form. The end goal of this course is to help students become citizens that have the requisite background and communication skills to intelligently participate in energy policy discussions and decisions. Topics typically include basic scientific literacy and notation, introductory physics (such as force, work, energy, power), circuit analysis, thermodynamics, various energy technologies (fossil fuels, nuclear power, solar, hydroelectric, etc.), and placing these technologies in a broader environmental, social, and economic context. This course includes an integrated laboratory in order to introduce basic laboratory skills. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 180. Principles of Gen Chemistry. 3 Hours.
This course explores fundamental quantitative and qualitative principles of inorganic, organic and biological chemistry and provides a basic understanding of theoretical and applied aspects of general chemistry. Topics in inorganic chemistry include measurement, atomic theory and chemical bonding, chemical reactions and mass relationships, kinetic theory and gas laws, acids, bases, pH and buffers. Organic chemistry will provide an overview of the nomenclature, properties and reactivity of major groups of organic compounds, while biochemistry will focus on the chemistry of carbohydrates, lipids, proteins, and enzymes. An overview of biochemical energetics, nucleic acids and protein synthesis is also included.

SC 181. Chemistry I. 3 Hours.
This introduction to chemistry provides a basic understanding of theoretical and practical aspects of inorganic chemistry. The course includes the metric system, chemical elements and symbols, the structure of the atom, chemical bonds, molecules and compounds, and chemical reactions.

SC 182. Chemistry II. 3 Hours.
This course is a continuation of Chemistry I. It focuses on organic chemistry and biochemistry and provides a background for understanding the chemical mechanisms of health and disease. Organic chemistry will emphasize the study of carbon, its special properties, and its compounds. Biochemistry will focus on the chemicals of living organisms, carbohydrates, lipids, proteins, and nucleic acids. Selected physiological topics such as energy metabolism, the genetic code, and protein synthesis are included. Prerequisite(s): SC 181.

SC 191. General Biology I. 3 Hours.
General Biology I focuses on biological principles that are fundamental to all of biology. This course covers the diversity of life and the commonalities of all living things including: molecular structure, cell structure and function, metabolism, cell division, heredity, and genetics. This course will also review the scientific process and the evaluation of scientific information. This course will prepare students for future courses in anatomy and physiology, cell biology, microbiology, biochemistry, genomic biology, and other biological specialties. This course is limited to students in programs requiring this course or are intending to take further biology courses.
SC 192. General Biology II. 3 Hours.
General Biology II is the continuation of a two-semester series in general biology for science majors. This course is designed to provide a thorough introduction to biology and prepare students for further study of evolution and ecology in SC 240. The goal of the course is to emphasize the diversity of species and for students to understand their relationship to, and their place in, the natural world. General Biology II is an introduction to the systematics, anatomy and physiology of the plant and animal kingdoms. This course will examine the structure and function of plant and animal organ systems in the framework of the evolution of adaptations. The course also concludes with an introduction to ecological systems.

SC 199. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 202. Science Immersion. 3 Hours.
This course emphasizes conservation by providing students an experiential setting that illuminates various aspects of the precarious balance between people's effect on the environment and the natural order of things. Educational goals focus on the conservation and restoration of our natural heritage so that biodiversity is not depleted.

SC 210. Marine Biology. 3 Hours.
Oceans cover more than 70% of the earth's surface and support all life on the planet. This course follows an ecological approach to consider the adaptations and interactions of plants and animals with their marine habitats, with particular emphasis on the ecosystems and organisms in the Gulf of Maine. Communities discussed include the open ocean, the deep-sea, subtidal and intertidal zones, and estuaries, as well as habitats found exclusively in tropical and polar regions. Prerequisite(s): SC 191 or SC 192.

SC 221. Anatomy and Physiology I. 3 Hours.
This course provides an in-depth understanding of the structures and functions of the human body and its parts. The course begins with the organization of the human body and descriptive terminology relating to various segments of the body. Cellular anatomy and physiology and study of tissues lead to the study of the organ systems. Topics included in the course are skin, the skeletal system, joints, the nervous system, and muscle.

SC 222. Anatomy and Physiology II. 3 Hours.
This course is a continuation of Anatomy and Physiology I. The course will provide a thorough understanding of structure-function relationships down to the molecular level. The semester will cover the special senses, blood, the cardiovascular system, lymphatics, the respiratory system, the digestive system, the urinary system, the endocrine system, and reproduction. Prerequisite(s): SC 221.

SC 224. Research Design. 3 Hours.
This course introduces basic concepts and skills needed for understanding and conducting research in the social, educational and health sciences. Students will receive a basic introduction to the fundamentals of research—what it involves, what types exist, and how to design and conduct such research. Examined are the essential terms and concepts of research necessary for students to critically evaluate research literature, develop solid research questions, and plan simple research projects. Active engagement with the research process will occur through class participation, exercises, literature reviews, development of research questions, and creation of inquiry strategies for answering research questions. Prerequisite(s): MS 132.

SC 234. Nutrition. 3 Hours.
This course examines the basic nutritional principles (biological, chemical and regulatory mechanisms); the changing nutritional requirements throughout the life cycle; the relationship between nutrition and disease; the principles of therapeutic nutrition (diet therapy) and the assessment of nutritional status. Prerequisite(s): SC 180 or SC 181.

SC 240. Ecology. 3 Hours.
This course explores the interaction of biotic and abiotic components in functioning ecosystems. It will examine topics in population distribution and dynamics, major terrestrial and aquatic habitats, community interactions such as competition and predation, nutrient cycling, energy flow, and ecosystem succession. The concurrently run lab will train students in identifying local flora and fauna, as well as collection and analysis of field data. Prerequisite(s): SC 191 and SC 192.

SC 241. Microbiology. 3 Hours.
This course provides a broad understanding of both beneficial and harmful microorganisms and their roles in human welfare. Emphasis is placed on the structure, physiology, and control of human pathogens, particularly bacteria and viruses. The lab provides experience in important techniques of culturing, identifying, and controlling microorganisms. Prerequisite(s): SC 104 and (SC 191 or SC 221).

SC 242. Biotechnology. 3 Hours.
The current explosion in wonder drugs, diagnostic tests and medical treatments has resulted, primarily, from advances in biotechnology. This course will explore the origins and current status of biotechnology and how it is applied in the world or research, product development, medical diagnosis, disease treatment and law enforcement. This course will primarily focus on those areas of biotechnology that pertain to molecular biology and biochemistry. The laboratory portion of this course will expose students to many of the techniques used in molecular biology/biotechnology laboratories around the world. Prerequisite(s): SC 102 and SC 103.

SC 251. Astronomy. 3 Hours.
This is an introductory course that will describe, develop and create physical models for many of the observable astronomical events in the sky. The topics may include motion in the night sky, the solar system, light, stars, star groups, the origin of the universe, life in the universe, and UFO's.

SC 261. Integrated Physical Science I. 3 Hours.
Integrated Physical Science I is the first course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning career in elementary education. Using physical environment as a theme, principles of chemistry, physics, geology, atmospheric science, and space science are introduced, and reinforced through inquiry-based lab activities and field trips. This first course of the sequence, covers fundamental concepts of chemistry and physics, which include: motion, waves and particles, energy, structure and properties of inorganic and organic matter and their mixtures, interactions of energy and matter, order and equilibrium of physical systems. Prerequisite(s): EH 123 and (MS 111 or MS 141 or MS 180 or MS 181).

SC 262. Integrated Physical Science II. 3 Hours.
Integrated Physical Science II is the second course in the two semester sequence of Physical Science. The sequence is intended for, but not limited to, students planning careers in elementary education. Using environment as a theme, principles of physical sciences are introduced and reinforced through inquiry-based lab activities and field trips. The course covers fundamental concepts of geology, atmospheric science, and space science. Prerequisite(s): SC 261.
SC 271. Physics I. 3 Hours.
Physics I is the first course in a two semester general physics sequence. The goal of this course is to introduce the student to the concepts of force and motion, work and energy, fluids and gases, heat and thermodynamics, and periodic motion. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 180 or MS 181.

SC 272. Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 271. Topics include electricity and magnetism, optics, atomic theory, relativity. Quantum mechanics, nuclear physics, and elementary particles. The class meets for three hours each week in lecture and recitation, and two hours each week in the lab. Prerequisite(s): SC 271.

SC 283. Soil, Air, and Water Chemistry. 3 Hours.
An understanding of the fundamental chemistry implicit in the environment is important, but students must also be familiar with aspects of mineralogy, oceanography, soil science, sedimentology and microbiology. The course emphasizes natural geochemical processes and how they operate over a variety of scales. Topics range from global issues such as atmospheric pollution and its effect on global warming and ozone destruction to the link between microbiological populations and local and global scale nutrient and chemical cycling. The course is designed to introduce the student to that major systems and cycles in the environment and how materials and energy are cycled in these systems. Prerequisite(s): SC 181 and SC 182 and SL 181 and SL 182.

SC 285. University Physics I. 3 Hours.
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.

SC 286. University Physics II. 3 Hours.
This course continues the development of the basic physical concepts begun in SC 285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 181 and SC 285.

SC 291. Cell Biology. 3 Hours.
This course is a detailed exploration of cell structure and function with an emphasis on the cytoplasm and extracellular matrix. Topics in membrane structure, transmembrane transport, vesicle trafficking, cytoskeletal organization, and macromolecular assembly processes are considered. Cell to cell communications and the role of the extracellular matrix in tissue level processes are also explored. Superficial examination is given to the structure and organization of the nucleus, chromosomes and gene expression to prepare students for the companion course entitled Genomic Biology. Prerequisite(s): MS 181.

SC 292. Epidemiology. 3 Hours.
Basic concepts of epidemiology and methods for identification of factors influencing health and disease in human populations. Considerations are centered on physical, biological, psychosocial and cultural factors in relation to infectious and noninfectious diseases; interactions between agent, host, and environmental factors as determinants of health and disease; application of the epidemiologic approach to health services; and retrospective and prospective analysis of morbidity data. Instruction is by lecture, laboratory exercises and seminars.

SC 299. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 312. Adult, Infant, and Child CPR First Aid. 3 Hours.
This is a standard American Heart and American Red Cross course in adult, infant and child emergency care of injuries and CPR. Standard certificate awarded on successful completion of course.

SC 330. Exercise Physiology. 3 Hours.
This course examines changes within the human body due to the effects of acute and chronic exercise. The student is challenged to expand both their knowledge of and appreciation of human physiological reaction, regulation, and adaptation to exercise. Prerequisite(s): SC 111 or SC 120 or SC 222.

SC 332. Physiological Ecology of Animals and Plants. 3 Hours.
This course explores the structural and functional relationships within plants and animals that make them adapted to their environment. This course uses numerous examples to illustrate how plants and animals survive given the constraints of their environment. Examples will be taken from temperate, arctic, alpine, tropical, desert, and aquatic ecosystems. Prerequisite(s): SC 191 and SC 192.

SC 333. Pathophysiology. 3 Hours.
Pathophysiology is the study of abnormal, diseased physiological processes. The course begins with an examination of altered cell functioning, injury and death. The course continues with pathophysiology of the body systems and inability of diseased systems to maintain homeostasis. Also included are topics in inflammation, immunity, neoplasia, and adaptations of the body to stress. Although aging is not considered a disease, some aspects of aging will be discussed. Prerequisite(s): SC 221 and SC 222.

SC 334. Genomic Biology. 3 Hours.
This class will explore the structure of the nucleus, patterns of inheritance (traditional genetics), the molecular mechanisms of biological information management (molecular biology), and the technologies that are used to obtain and use the information contained within genomes (genomic science). The course will trace classical genetics, chromosome maps, the structure of DNA, gene expression and regulation, and the tools of molecular biology and genomic analysis. Prerequisite(s): SC 102 and (SC 180 or SC 181).

SC 351. Oceanography. 3 Hours.
This course examines the physical and biological characteristics of the marine environment. Topics include the origin of earth and its oceans, life in the oceans, the history of oceanography, plate tectonics, the nature of water, ocean circulation, waves, tides, shorelines, and coastal regions. A large portion of the course examines the interrelationships between organisms and the marine environment, mariculture marine pollution, and pollution control.

SC 352. Biochemistry. 3 Hours.
In this offering, the student will be exposed to reductionism in the field of biology. Biochemistry overlaps and articulates with many fields of endeavor. The discipline embraces physiology, pharmacology, enzymatics, nutrition, immunology, structural biology, biotechnology, and molecular biology all at the same time. The course curriculum will focus upon the role of enzymes in guiding metabolic processes and pathways. The student will come to understand the details of biological functioning at these three levels of organization: Metabolism, metabolic pathways, enzymatic mechanisms and kinetics. Prerequisite(s): SC 102 and SC 182.
SC 360. Biomechanics & Kinesiology in Human Performance. 3 Hours.
This course examines the application of anatomical and physiological principles of kinesiology and physical movement. Topics include the scientific study of human movement, analysis of motor skills, and programs of exercise and evaluation of human performance. Prerequisite(s): SC 222 or SC 120.

SC 362. Dynamics of the Earth. 3 Hours.
This course presents the basic concepts of earth science that include a broad and nonquantitative survey at the introductory level of topics in geology, oceanography, meteorology and astronomy. In geology, the topics emphasized are plate tectonics, volcanic activity, mountain building, minerals and rocks, earthquakes, geologic time and earth history. In meteorology, the specific areas include weather elements, weather patterns and storms. The astronomy unit reviews constellations, the moon, the solar system and beyond. Laboratory activities are included to demonstrate concepts. Within each unit human use and manipulation of physical resources is examined from both a scientific and economic perspective.

SC 367. Mathematics and Physics of Sustainable Energy. 3 Hours.
In this course you will examine the basic physical principles behind the generation and consumption of electrical energy. Mathematical skills necessary to quantitatively compare different sustainable energy technologies and associated issues are developed. This course assumes no prior background in physics. Prerequisite(s): MS 141 or MS 180 or MS 181 or MS 182.

SC 371. Horticulture. 3 Hours.
This course presents the fundamentals of horticulture including topics such as environmental factors affecting plants, methods of growing plants, pruning, grafting, harvesting and storing, pests and horticulture plants and their control, horticulture for home grounds, and the vegetable garden. Laboratory activities enable students to practice experimental design and planting techniques used in horticulture.

SC 373. Inorganic Chemistry. 3 Hours.
This course is designed to introduce the basic principles and concepts of inorganic chemistry. The course is intended for students who wish to pursue careers in chemistry, biochemistry, pharmacology, or the life sciences. Topics to be covered include: atomic and molecular structure, experimental techniques, bonding in polyatomics, acid/base chemistry, oxidation/reduction, descriptive chemistry of hydrogen and the s, p, d, and f block elements. Prerequisite(s): SC 181 and SC 182 and MS 181.

SC 381. Organic Chemistry I. 3 Hours.
This course comprises the first semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on chemical bonding, stereochemistry, and reaction mechanisms. Chemistry, as one of the exact sciences, requires quantification. Therefore, development of the critical thinking and problem solving strategies, as well as the experimental know-how and laboratory skills are major objectives of the course. Introduction to microscale lab techniques, modern analytical instrumentation, as well as computation technology additionally supports objectives of the course. Prerequisite(s): SC 182.

SC 382. Organic Chemistry II. 3 Hours.
This course comprises the second semester of a one-year introduction to the chemistry of carbon-containing compounds. It provides fundamentals of modern organic chemistry with an emphasis on stereochemistry, modern instrumental methods in identification of organic compounds, energetics, reaction mechanisms, and selected applications in biochemistry. Critical analysis of structure-properties’ relationships in organic chemistry, and their applications, as well as more advanced know-how (FT-NMR or FT-IR, and UV/Vis spectroscopies) and laboratory skills (applications of semi-empirical molecular computations, and multistep synthetic procedures) are major objectives of this course. Prerequisite(s): SC 381.

SC 383. Junior Science Research Seminar. 3 Hours.
This course introduces students to careers in science, the scientific research process, and research expectations within the biology, health science, chemistry and environmental science majors. The major focus is to develop a senior research proposal on the basis of what is attainable, interesting, and meaningful. Students learn, in detail, both the limits and expectations of undergraduate research in the sciences. Students are introduced to the important role of library resources and the professional literature as they investigate their chosen topic. Students will be expected to write a resume and career goals statement, give an oral presentation on a chosen career field in science, lead a class discussion of a scientific article, and submit a written research proposal that includes a scientific literature review, problem statement or hypothesis, a timeline for completion, and detailed budget for their proposed senior thesis research. Students will also give an oral presentation on their proposed research and evaluate other student’s research proposals. Prerequisite(s): SC 224.

SC 393. Physical Chemistry. 3 Hours.
This course provides an introduction to the methods describing complex physiochemical systems and their responses to external chemical and/or physical stresses. Classical and modern theories of equilibrium and non-equilibrium thermodynamics, kinetic theory of transport phenomena, as well as quantum and statistical mechanics are introduced and applied to molecular systems and spectroscopy. Biological and biochemical problems are shown how to be formulated and solved by using principles of physical chemistry. Prerequisite(s): MS 132 and MS 181 and SC 182 and SC 272.

SC 394. Analytical Chemistry. 3 Hours.
This course is an introduction to the fundamentals of analytical chemistry. It covers sample treatment, statistical analysis of data, measurement errors, and applications of chemical equilibrium, kinetics, transport, light scattering, emission, and absorption to chemical analysis. The following analytical methods are studied: Volumetric, gravimetric, electrochemical, chromatography, and spectroscopy. The course includes lab. Prerequisite(s): MS 132 and (MS 180 or MS 181) and SC 382 and SL 382.

SC 399. Topic. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SC 410. Motor Learning in Human Performance. 3 Hours.
This course explores the application of learning and performance of motor skills. Topics include the scientific study of motor skills and abilities, motor control, attention and memory, motor skill learning, instruction and augmented feedback, and practice conditions. Prerequisite(s): SC 222 or SC 120.
SC 450. Physical Biochemistry. 5 Hours.
This course entails a study of the physical processes involved in living systems including thermodynamics and equilibria, kinetics and transport phenomena, and applications of quantum chemistry and spectroscopy. Prerequisite(s): SC 352 and SL 393 and MS 182 and SC 272.

SC 481. Biological Research & Laboratory Safety I. 3 Hours.
This course serves as the capstone course in the Biology major. Under supervision of the instructor, students are expected to conduct self-directed, individual laboratory or field research in biology. During this course, students will collect and analyze data, and share the results of experiments with classmates in a seminar setting. At the end of the semester, students present the final results of their research in the form of a final oral presentation and written thesis. Prerequisite(s): SC 383.

SC 482. Biological Research & Laboratory Safety II. 3 Hours.
The course serves as the continuation of the capstone course in the Biology major and is necessarily preceded by SC 481. Students who wish to continue with their laboratory or field research may elect to take this course. The emphasis during this semester will be on increasing sample size or elaborating on the research that was started in SC 481. Students will be required to share their final results with the Husson University community and at a regional or national scientific meeting. Students will be encouraged to publish their work in the peer-reviewed literature. Prerequisite(s): SC 481.

SC 490. Environmental Science Research Seminar I. 3 Hours.
Environmental Science is a dynamic, responsive, and applied discipline. In this experiential course, students explore potential careers and research areas in Environmental Science. With individual guidance from course instructors as well as collaborative study, students will develop working résumés, apply for internship positions, and synthesize the primary scientific literature in their field of interest to develop a feasible scientific research proposal. An internship in environmental science with a local, state, or federal agency or a private organization is a required component of this course; students share their internship experience with classmates and the Husson community.

SC 491. Environmental Science Research Seminar II. 3 Hours.
This course serves as the capstone course in the Environmental Science Program. With guidance from course instructors, students conduct individual, self-directed research in their field of interest within the discipline of Environmental Science. During this course, students collect, analyze, and interpret data to complete a final written thesis. Students disseminate the results of their research with classmates and the Husson community in the form of a written and oral presentation. Exceptional students are encouraged to present their research at a local, state or national conference. Prerequisite(s): SC 490.

SC 492. Senior Chemistry Research Seminar. 3 Hours.
This capstone course provides an introduction to research in chemical sciences. In the seminar setting students critically review primary literature sources and design, with help of the instructor, a serious and original research proposal in theoretical or experimental chemistry. Students discuss their ideas and applied methodology with classmates during regular weekly meetings. The approved by instructor research hypotheses are subsequently validated by experiments, field studies, or theoretical calculations. Students report and share the research findings with classmates in the seminar format. The authors of projects of very high quality will be encouraged to present their work at regional chemical conferences. Prerequisite(s): SC 393 and SC 394.

SC 499. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer advanced courses in science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL (SL)

Courses
SL 120. Functional Anatomy and Physiology Lab I. 1 Hour.
Functional Anatomy and Physiology Lab I is a 1 credit lab that students take at the same time as taking the lecture part of the course, SC 120. It is laboratory designed to give the non-science major knowledge of the human body and its relationship with the environment. Topics covered parallel the lecture topics in SC 120 and include: the chemical basis of life, the anatomy & physiology of all organ systems, growth, development, heredity and biotechnology issues.

SL 180. Prin of Gen Chemistry Lab I. 1 Hour.
This is a laboratory class.

SL 181. Chemistry Lab I. 1 Hour.
This is a laboratory class.

SL 182. Chemistry Lab II. 1 Hour.
This is a laboratory class.

SL 191. General Biology Lab I. 1 Hour.
This laboratory course is to be taken concurrently with SC 191. It is designed to reinforce the fundamental biology concepts discussed in lecture as well as introduce students to laboratory procedures and the basics of the scientific method.

SL 192. General Biology Lab II. 1 Hour.
This laboratory course is to be taken concurrently with SC 192. This course is designed to provide hands-on experience with plant and animal diversity, comparative anatomy and physiology, as well as the collection and analysis of lab and field data.

SL 210. Marine Biology Laboratory. 1 Hour.
Marine Biology Laboratory must be taken concurrently with Marine Biology. Laboratory activities focus on the organisms and ecosystems in the Gulf of Maine and include field trips to local marine habitats as well as laboratory investigations of local flora and fauna. Prerequisite(s): SC 191 or SC 192.

SL 221. Anat/Physiology Lab I. 1 Hour.
This is a laboratory class.

SL 222. Anatomy/Physiology Lab II. 1 Hour.
This is a laboratory course. Prerequisite(s): SL 221.

SL 240. Ecology Lab. 1 Hour.
This lab focuses on ecological research principles and is designed to complement and reinforce the topics discussed in SC 240. The labs will include reading primary literature, case-studies, identification of local flora and fauna, and field and laboratory data collection and analysis.

SL 241. Microbiology Lab. 1 Hour.
This is a laboratory class.

SL 242. Biotechnology Lab. 1 Hour.
This is a laboratory class.

SL 271. Physics Lab I. 1 Hour.
This is a laboratory class.

SL 272. Physics Lab II. 1 Hour.
This is a laboratory class.
SL 285. University Physics I (Laboratory). 1 Hour.
University Physics I is the first course in a two semester, calculus based university physics sequence. The goal of this course is to introduce students to the concepts of force and motion, work and energy, simple harmonic motion, and waves. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. This course assumes no prior background in physics. Prerequisite(s): MS 181.

SL 286. University Physics II Lab. 1 Hour.
This course continues the development of the basic physical concepts begun in SC 285. Topics include electricity, magnetism, and optics. The class meets for three hours each week in lecture, two hours each week in recitation, and two hours each week in the lab. Prerequisite(s): MS 181 and (SC 285 or SC 271).

SL 299. Topic/. 0-3 Hours.
This course is intended to provide the opportunity to offer introductory courses in laboratory science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL 381. Organic Chemistry I Lab. 1 Hour.
This is a laboratory class. Prerequisite(s): SL 182.

SL 382. Organic Chemistry II Lab. 1 Hour.
This is a laboratory class. Prerequisite(s): SL 381.

SL 393. Physical Chemistry Lab. 2 Hours.
This course is a hands-on laboratory component of the SC 393, covering topics in kinetics, thermodynamics, transport, and spectroscopy. The laboratory exercises apply physical methods to studies of complex physicochemical phenomena. Computer simulations of molecular properties complement the measurements. Three hours of laboratory per week. Prerequisite(s): SL 182 and SL 272.

SL 394. Analytical Chemistry Lab. 2 Hours.
This course is a hands-on introduction to the fundamental techniques of analytical chemistry. It covers sample treatment and volumetric, gravimetric, electrochemical, chromatographic, and spectroscopic analytical methods. Three hours of laboratory per week are designed to supplement and reinforce the knowledge gained in the SC 394. Prerequisite(s): SL 182.

SL 399. Topic/. 0 Hours.
This course is intended to provide the opportunity to offer 300-level courses in laboratory sciences that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SL 499. Topic/. 0-3 Hours.
This course is intended to provide the opportunity to offer advanced courses in laboratory science that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SM (SM)

Courses

SM 101. Intro to Sport Management. 3 Hours.
Historical and philosophical aspects of sports management are covered together with an overview of current issues, and career opportunities in sports management. Students will formulate personal and career goals. Prerequisite(s): Major=BS Bus Ad - Sport Mgmt or Major=BS Sport Management.

SM 201. Introduction to Sport Law. 3 Hours.
This course provides students with a basic knowledge of the principles of law that regulate both the amateur and professional sports industries. In addition, students will become familiar with legal principles relating to contracts and property. The course materials will be taken primarily from sport and will concentrate on the many legal issues that regulate this unique industry. Special emphasis will be placed on the risks of litigation.

SM 202. Hospitality and Sport Facility Design and Management. 3 Hours.
This course is designed to introduce students to facility design and management in the hospitality and sport industry. The course will investigate theories and concepts utilized in the planning, construction, and management of new and existing hospitality and sport facilities as well as guidelines for evaluating the sustainability and life cycle of existing facilities.

SM 203. Sport in Society. 3 Hours.
This course is intended to provide an in depth study of sport in society. The course includes gender equity, deviance and aggression, race and culture, economics and social class, and the role of the media. Prerequisite(s): SM 101.

SM 299. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer courses in Sport Management that would not normally be part of the Husson Curriculum. As such, the topics will depend upon the interests of the students and faculty.

SM 300. Principles & Qualities of Coaching. 3 Hours.
This 3-credit class is designed to educate, prepare and certify individuals to coach at all levels. Students will obtain an (ASEP) American Sports Education Program Certification upon completing the instruction and passing the test. A CPR and First Aid certificate will also be issued after completing the specific testing required. Principles and Quality of Coaching will cover all aspects of coaching including: Developing a coaching philosophy, effective communication among coaches, players, parents, officials, media and the community. How to conduct tryouts, motivating players, building a program, how to deal with college coaches recruiting players, practice plans, game preparation, etc.

SM 302. Sports Ethics. 3 Hours.
This course will focus on the exploration of contemporary values, issues, and controversies associated with sport and sport management. Current issues, ethical dilemmas in the sport environment, organizational responsibility, and professional ethics will be discussed. During this course, students will become involved with discussions on sportsmanship, fan behavior, performance-enhancing drugs, cheating and deception, the role of violence in sports, gender equity in sport, deviant behavior in athletics, and issues related to youth sports participation. This course will explore the various issues to be raised by encouraging discussion among the students, by conducting formal debates, and developing position papers on the subject matter.

SM 304. Principles of Sports Medicine. 3 Hours.
This course is designed to integrate basic medical concepts and related scientific information to provide a foundation in the prevention, recognition, assessment, management, disposition, and reconditioning of sport-related injuries and illnesses.
SM 307. Sport Finance. 3-3 Hours.
This course examines financial considerations relative to Sport Management, including: budgeting, fundraising, marketing and the economic impact of sport events. Although the focus of the course is on the two most visible segments of the sport industry – intercollegiate and professional athletics, sufficient attention is given to methods and strategies that may be applied across the discipline. Prerequisite(s): SM 101.

SM 322. Sport Marketing. 3 Hours.
This upper level major course examines the theories, fundamentals and practical applications of marketing for sport related organizations. It offers a broad perspective of the diverse segments that comprise the sport industry – the Sport Performance Segment; the Sport Production Segment; and the Sport Promotion Segment. For the purpose of this course, sport marketing is defined as, “the process of designing and implementing activities for the production, pricing, promotion, and distribution of a sport or sport business product to satisfy the needs or desires of consumers and to achieve the companies objectives.” Students will gain experience working in groups and are encouraged to develop interpersonal skills that may be employed in future endeavors. Additional emphasis will be placed on the development of critical thinking, analytical, writing and oral communication skills. Prerequisite(s): BA 321.

SM 331. Governance and Policy in Sport. 3 Hours.
This course is an examination of the integration of management theory with sport governance and policy development practice. The course provides an overview of the sport industry that will provide students with an understanding of the authority, organizational structures, and function of the major governing bodies in the various segments of professional and amateur sport organizations at the local, national, and global levels. The study of policy development in educational, non-profit, professional, and international sport organizations in relation to governance issues will also be addressed.

SM 341. Recreational Programing and Event Management. 3 Hours.
This course is an examination of the principles and methods of program development, management, delivery, and assessment within the sport industry, specifically integrating youth, community and campus recreation. Using principles and practice of event coordination and administration, students will design, develop, and implement community-based programs and/or events, including competitive and non-competitive leagues and tournaments, and non-credit instructional sport programs, events, and services.

SM 407. Psychology of Sport. 3 Hours.
The focus is on how people behave in sport and exercise settings: motivation, anger, fear, and how such emotions affect performance; how emotions can be moderated and how behaviors can be made more effective are covered.

SM 409. Leadership in Sports Organizations. 3 Hours.
This course provides and in-depth study of leadership styles and their importance in the field of sports. Prerequisite(s): College Level=Senior.

SM 441. Outdoor Recreation Programming. 3 Hours.
This course is an examination of the values, principles and methods of program development, management, delivery, and assessment within the outdoor and adventure recreation industry. Additionally, the course will focus on environmental and governmental impact of outdoor and adventure recreation. The basic principles and procedures for developing outdoor recreation programs will be introduced while providing the opportunities to acquire and utilize recreation programming skills through practical application. Prerequisite(s): SM 341.

SM 496. Sports Management Internship. 3 Hours.
This course is designed to provide sports management students with practical work experience in a sports management environment.

SM 497. Intermediate Sport Management Internship. 3 Hours.
This course is designed to provide sport management students with practical work experience in a sport business setting. This college-supervised internship builds upon the SM 496 internship experience to provide the student with additional exposure to the sport industry. A journal and written assignments are required components of the internship experience.

SM 498. Advanced Sport Management Internship. 3 Hours.
This course is designed to provide sport management students with practical work experience in a sport business setting. This college-supervised internship builds upon prior internship experiences to provide the student with additional exposure to the sport industry. A journal and written assignments are required components of the internship experience.

SM 499. Topic/. 1-3 Hour.
This course provides sport management students the opportunity to research and develop special projects within the realm of sport management. Open to Junior and Senior students only.

SY (SY)

Courses

SY 201. Principles of Sociology. 3 Hours.
This course is an introduction to the study of society and the interaction of individuals within society. It is a prerequisite for all other courses in sociology. Topics studies include basic sociological theory and concepts, socialization, cultures, institutions, patterns of social structure, and social change. Some emphasis is placed on cultural relativity in modern society and the implications of cultural differences for business.

SY 205. Addiction: Insights and Issues. 3 Hours.
This course examines current models used to describe alcohol abuse, alcohol dependence, other drug abuse and dependence, and substance/process abuse in general. Assessment, treatment, addictive behaviors, and outcomes will be examined. The course is helpful to health care students, to any business student who expects to supervise others, and to anyone expected to function within a group. The course will also give each student the opportunity to gain insight into an issue of personal choice.

SY 211. Contemporary Social Issues. 3 Hours.
The course presents an analysis of major social issues. Statistical data and their interpretation are analyzed to explain and illustrate the concepts of social disorganization, value conflicts, and personal deviation. Those issues to be investigated include problems related to urbanization, marriage and the family, civil liberties, discrimination, mass communication, quality of environment and social policy. Prerequisite(s): SY 201.

SY 222. Cultural Anthropology. 3 Hours.
This course is an introduction to the fundamental concepts and perspectives of culture. It surveys the dynamics of cultural evolution and its significance to civilization. Special attention will be directed towards the geographical basis of culture, the origins of civilization, the structure of civilization and culture - economic, political, familial, and religious structures and factors that lead to the demise of civilization.
SY 299. Topic/. 1-6 Hour.
This course is intended to provide the opportunity to offer introductory courses in sociology that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty.

SY 312. Sociology of Work. 3 Hours.
This course examines work-related processes, social structures, and role behavior associated with blue-collar, white-collar, executive, and professional levels of employment. Among the topics considered are socialization in work roles; occupational professional ideologies; the interrelationship of work, status, and life-style; and adjustment to life cycle changes as they affect work and career. Particular attention will be focused on changing work patterns and values in the late twentieth century. Prerequisite(s): SY 201.

SY 499. Topic/. 1-3 Hour.
This course is intended to provide the opportunity to offer advanced courses in sociology that would not normally be a part of the Husson curriculum. As such the topics will depend upon the interests of students and faculty. Prerequisite(s): SY 201.
# ACADEMIC CALENDAR

## 2016 – 2017

### Fall 2016

<table>
<thead>
<tr>
<th>Dates</th>
<th>Day of Week</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>August 29</td>
<td>Monday</td>
<td>Classes Begin</td>
</tr>
<tr>
<td>September 5</td>
<td>Monday</td>
<td>Labor Day, No Classes</td>
</tr>
<tr>
<td>August 29 - September 6</td>
<td>Monday - Tuesday</td>
<td>Add/Drop Period</td>
</tr>
<tr>
<td>October 10 - 11</td>
<td>Monday - Tuesday</td>
<td>Fall Break - No Classes</td>
</tr>
<tr>
<td>October 21</td>
<td>Friday</td>
<td>Mid-Term</td>
</tr>
<tr>
<td>October 31 - November 4</td>
<td>Monday - Friday</td>
<td>Registration Advising</td>
</tr>
<tr>
<td>November 7 - 13</td>
<td>Monday – Sunday</td>
<td>Student Online Registration</td>
</tr>
<tr>
<td>November 14 - 18</td>
<td>Monday – Friday</td>
<td>Registration Advising</td>
</tr>
<tr>
<td>November 23 - 25</td>
<td>Wednesday – Friday</td>
<td>Thanksgiving Break</td>
</tr>
<tr>
<td>December 12</td>
<td>Monday</td>
<td>Last Day of Classes</td>
</tr>
<tr>
<td>December 13 - 16</td>
<td>Tuesday - Friday</td>
<td>Final Exams</td>
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### Fall 2016 7-Week Sessions

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<tr>
<th>Dates</th>
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<tr>
<td>7-Week Fall Session I</td>
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<tr>
<td>August 29</td>
<td>Monday</td>
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<tr>
<td>August 29 - September 6</td>
<td>Monday - Tuesday</td>
<td>Add/Drop Period</td>
</tr>
<tr>
<td>September 23</td>
<td>Friday</td>
<td>Mid-Term</td>
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<tr>
<td>October 21</td>
<td>Friday</td>
<td>Last Day of Classes</td>
</tr>
<tr>
<td>Fall 7-Week Session II</td>
<td></td>
<td>Classes Begin</td>
</tr>
<tr>
<td>October 24</td>
<td>Monday</td>
<td></td>
</tr>
<tr>
<td>October 24 - October 28</td>
<td>Monday - Friday</td>
<td>Add/Drop Period</td>
</tr>
<tr>
<td>November 18</td>
<td>Friday</td>
<td>Mid-Term</td>
</tr>
<tr>
<td>December 16</td>
<td>Friday</td>
<td>Classes End</td>
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### Winter 2017 Session

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<tr>
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<tbody>
<tr>
<td>December 26 - January 13</td>
<td>Monday - Friday</td>
<td>Winter Session Classes</td>
</tr>
<tr>
<td>December 26</td>
<td>Monday</td>
<td>Add/Drop Ends</td>
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<tr>
<td></td>
<td>(No classes January 2nd)</td>
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### Spring 2017

<table>
<thead>
<tr>
<th>Dates</th>
<th>Day of Week</th>
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<tbody>
<tr>
<td>January 17</td>
<td>Tuesday</td>
<td>Classes Begin</td>
</tr>
<tr>
<td>January 17 - 24</td>
<td>Tuesday - Tuesday</td>
<td>Add/Drop Period</td>
</tr>
<tr>
<td>March 3</td>
<td>Friday</td>
<td>Mid-Term</td>
</tr>
<tr>
<td>March 6 - 10</td>
<td>Monday-Friday</td>
<td>Spring Vacation</td>
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<tr>
<td>March 20 - 24</td>
<td>Monday - Friday</td>
<td>Registration Advising</td>
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<tr>
<td>March 27 - April 02</td>
<td>Monday - Sunday</td>
<td>Student Online Registration</td>
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<tr>
<td>April 3 - 7</td>
<td>Monday - Friday</td>
<td>Registration Advising</td>
</tr>
<tr>
<td>May 1</td>
<td>Monday</td>
<td>Last Day of Classes</td>
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## Spring 2017 7-Week Sessions

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<tbody>
<tr>
<td>Spring 7-Week Term I</td>
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<td>Classes Begin</td>
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<tr>
<td>January 17</td>
<td>Tuesday</td>
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<tr>
<td>January 17 - January 24</td>
<td>Tuesday - Tuesday</td>
<td>Add/Drop Period</td>
</tr>
<tr>
<td>February 8</td>
<td>Wednesday</td>
<td>Mid-Term</td>
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<tr>
<td>March 3</td>
<td>Friday</td>
<td>Last Day of Classes</td>
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<tr>
<td>March 13</td>
<td>Monday</td>
<td>Classes Begin</td>
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<tr>
<td>March 13 - March 17</td>
<td>Monday - Friday</td>
<td>Add/Drop Period</td>
</tr>
<tr>
<td>April 5</td>
<td>Wednesday</td>
<td>Mid-Term</td>
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<tr>
<td>April 28</td>
<td>Friday</td>
<td>Last Day of Classes</td>
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### Summer Session 2017

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<tr>
<td>May 8</td>
<td>Monday</td>
<td>Summer Sessions Begin</td>
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<tr>
<td>May 8 - May 26</td>
<td>Monday - Friday</td>
<td>May Term</td>
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<tr>
<td>May 8 - June 23</td>
<td>Monday - Friday</td>
<td>7-Week Session I</td>
</tr>
<tr>
<td>May 29</td>
<td>Monday</td>
<td>Memorial Day - No Classes</td>
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<tr>
<td>July 3 - August 18</td>
<td>Monday - Friday</td>
<td>7-Week Session II</td>
</tr>
<tr>
<td>July 4th</td>
<td>Tuesday</td>
<td>Independence Day - No Classes</td>
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<tr>
<td>August 18</td>
<td>Friday</td>
<td>Summer Sessions End</td>
</tr>
<tr>
<td>Add/Drop Information 1 to 3-Week Classes</td>
<td>Add/Drop Period Ends on First Day of Class</td>
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<tr>
<td>Add/Drop Information 7-Week Sessions or Longer</td>
<td>Add/Drop Period Ends First Friday of Session</td>
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BOARD OF TRUSTEES

Carol C. Kanar, Chair of the Board
Author & Educator

Robert J. Ronan '79, Vice Chair of the Board
Retired, Senior Vice President, Fidelity Investments

Robert A. Clark
President and CEO Husson University

Thomas V. Barrows '66
Shell Oil Company-Retired

Earl C. Black
Regional Vice President, The Masiello Group

John P. Boucher '66
Retired President & CEO, Stalee’s Inc.

Brock R. Bradford '10
CFO, Lafayette Hotels

Susan A. Carlisle
Civic Leader and Volunteer

Daniel B. Coffey '72
President & CEO, Acadia Hospital

Joseph H. Cyr
President & Owner, Cyr Bus Line

Edward O. Darling '64
President & CEO, Indigo Lakes Consulting, Inc.

Kris A. Doody '97
CEO, Cary Medical Center

Paul Forand
Student Trustee

Arthur D. Fuller '66 Hon '96
Retired President, Bowater Inc., Newsprint

Ross Y. Furman '72
CFO Lincoln Capital and Gentleman Farmer

Phillip E. Harriman '77
Founding Partner, Lebel & Harriman, LLP

Kenneth A. Hews
Retired Executive Vice President, Eastern Maine Health Care Systems

Daniel R. Hutchins '83
Retired Accountant, Price Waterhouse Cooper

Kelli L Theriault Hutchins
Civic Leader

Deborah Carey Johnson '87 Hon '10
President & CEO, Eastern Maine Medical Center

Hilda Hutchins McCollum Hon '08
Civic Leader

John R. Michaud
Director and Assistant Professor, School of Legal Studies

Ruth B. Purtilo
Professor of Ethics, MGH Institue of Health Professions

John M. Rohman '77
Retired President & CEO, WRBC Architects-Engineers

W. Tom Sawyer, Jr.
Entrepreneur/Philanthropist

Irving Schneider '68
Retired President, Johnson & Wales University

Thomas Tierney '71
Chairman, President & CEO, Vermont Mutual Insurance Company

Richard C. Trott, Jr. '65
President Trott Forest Products

Randal L. Wadleigh '87
President, Governor’s Restaurants

Betsy Webb ’83
Superintendent of Schools, Bangor School Department

TRUSTEE EMERITI

Wilma A. Bradford '85
John Bragg
Diana Beaudoin
Richard E. Dyke ’58. ’76
Christopher Hutchins
Thomas Johnston
George J. Lambert ’66
Leo M. Loiselle ’63
Clara L. Swan ’33
Lloyd E. Willey
FACULTY

College of Business

Amanda Bourgoin 2006
B.A. St. Bonaventure University
M.B.A. Wayne State
Margaret Campbell 2012
B.A. University of Maine
J.D. University of Maine School of Law
Cristanna Cook 1991
B.S. University of Maine
M.S. University of Maine
Ph.D. University of Maine
Robert Duron 2005
B.B.A. Texas A&M University Commerce
M.S. University of Texas
Ph.D. Capella University
Richard Fabri 2012
B.S. Northeast University
M.S.Ed. University of Miami
Ph.D. (c) University of Maine
Thomas Fitzpatrick 2012
B.A. Concordia University
M.S. American Graduate School of International Business
Ph.D. Southern New Hampshire University
Marie E. Hansen 2003
B.A. University of Maine
Ph.D. The Chicago School of Professional Psychology; J.D. University of Maine School of Law
Michael Kamorski 2014
B.S. University of Massachusetts
M.S. US Army Command and General Staff College and University of Montana
Ed.D. Nova Southeastern University
Michael Knupp 2010
B.S. & B.A. University of Maine
M.S. Boston University
Karen Kydd 2002
B.S. Husson College
M.S. Husson College
Dewey Martin 1980
B.S. Bentley College
M.S. Bentley College
John Michaud 2008
B.A. St. Francis College (now U. New England)
M.A. U New England & M.A. Naval War College
Paul Morrow Sr. 2008
B.S. University of Maine
J.D. Franklin Pierce Law Center
William B. Read Jr. 1966
B.S. American International College
M.A. University of Connecticut
Susan Reisman 2016
B.S. New York University
M.S.W. Columbia University and M.B.A. University of Pennsylvania
Stephanie Shayne 2010
B.A. Colby College
M.B.A. Duke University
Lee Speronis 2008
B.S. Tampa University
J.D. Stetson University
Belinda Wee 2012
B.S. Purdue University
M.A. University of Minnesota
Ph.D. University of Minnesota
J. Douglas Wellington 2002
B.A. University of Pennsylvania
M.B.A. New York University & M.B.A. Wharton Graduate School & L.L.M. New York University
J.D. Rutgers University
Alicia Wilcox 2011
B.S. National University of Ireland
M.S. University of Strathclyde & M.S. Husson University
Husson University

Ph.D. (c) University of Dundee
Gerald Wright 2006
B.S. University of Cincinnati
Ph.D. Capella University
Steven Cunningham 2016
B.A. University of South Florida
M.S. Florida State University
Ph.D. Florida State University
Jodie Fairbank 2013
B.S. Elizabeth City State University
M.A. American Military University
working on doctoral degree at North Central University
Jia Liu 2016
B.A. Bejing Jiaotong University
M.S. University of Kansas & M.S. Chinese Academy of Sciences
Ph.D. University of Kansas

College of Health and Education
Cheryl Adams 1998
B.S. Florida International University
M.H.S. University of Indianapolis
D.Sc. University of Maryland
Lynn Atherley 2015
B.A. University of Wisconsin-Parkside
M.Ed. Edinboro University of Pennsylvania
Mikal Crawford 2009
BS Western Virginia University
M.S. Frostburg State College
Ed. D. University of Maine
Kimberly Davis 2003
B.S. University of New England
M.S.O.T. University of New Hampshire
O.T.D. Rocky Mountain University of Health Professions
Carolyn Dorfman 2012
B.A. University of Colorado
M.S. Colorado State University

Ph.D. Capella University
Deborah Drew 2007
B.S. University of Maine
M.Ed. University of Maine
Ed.D. University of Maine
Laurie Eddy 2006
B.S.N. University of Maine
M.S.N. University of Maine
Cathleen Goebel 2011
B.S.N. University of Connecticut
M.S.N. Rush University
Suzanne Gordon 1995
B.S. University of Missouri
M.A. University of North Carolina
Ed.D. University of Maine
Katie Howland 2014
B.S. University of New England
M.S. University of New England
Christine Hubbard 2006
B.S. Tufts University
M.A. Tufts University
O.T.D. Rocky Mountain University of Health Professions
Karen Huhn 2016
B.S. Northereastern University
M.S. University of Medicine and Dentistry
Ph.D. University of Medicine and Dentistry
Mary Jude 2011
B.S. University of the State of New York Regents College
MSN University of Maine and MPH Loma Linda University/ FNP-PA
University of North Dakota
Cavenaugh Kelly 2014
B.S. University of Southern Maine
M.S. Lewiston Auburn College
Kelly Mead 2008
B.S. University of Maine
M.Ed. University of Maine
Barbara Moody 2011
B.S. St. Michael's College
"M.Ed. University of Alaska, Anchorage"
Ph.D. student at University of Maine
Karen Morren 2000
B.S. Biology Albright College
M.P.T. - Hahnemann University
D.P.T. Simmons College
Laurie Mouradian 2010
B.S. Tuft's University
M.S. Emory University
Sc.D. Boston University
Margaret Olson 2010
B.S. Marquette University
M.Ed. University of Maine
Ph.D. University of Maine
Jeanne-Ann Ouellette 2011
B.S.N. University of Maine
M.S.N. University of Maine
B.S. Husson University
M.S. Arizona State University
Valerie Sauda 2014
B.A. University of Southern Maine
M.S. University of Southern Maine
Arthur Schwarcz 1999
B.S. York University
M.A. Indiana State University
Ph.D. University of Iowa
Wayne Scott 2009
B.A. University of Delaware
M.P.T. University of Delaware
Ph.D. University of Delaware
Ben Sidaway 1996
B.Sc. Loughborough University of Technology
M.A. University of North Carolina - Chapel Hill & M.S.P.T. Husson College

Ph.D. Penn State University
Sondra Siegel 1998
B.A. University of California at Berkeley & B.S. Washington University
Ph.D. Emory University
Connie Sprague 2001
B.S.N. University of Maine
M.S.N. Boston University
Kimberly Steinbarger 2008
B.S. Daemen College
M.H.S. University of Indianapolis
Cathy Stucker 2014
B.S. Indiana University
D.Sc. Andrews University
Mary Tedesco-Schneck 2003
B.S. Rutgers College of Nursing
M.S. Seton Hall University
working towards Ed.D. University of Maine
Shelly Tennett 2008
B.S. University of Maine
M.Ed University of Maine
Rhonda Waskiewicz 2015
B.S. Tufts University
M.S. Kings College
Ed.D. Tempie University
Deborah Whittemore 2006
B.S. University of Bridgeport
M.S. Boston College
LeeAnne Wilson 2003
B.A. Pomona College
M.Ed. Cambridge College
John Yasenchak 2011
M.A. Fordham University
Ed. D. University of Maine Counselor Education
College of Science and Humanities

Therese Anderson 2010
B.S. University of Maine
M.S. University of Maine
Jonathan Bayless 2008
B.A. Clemson University
Ph.D. Dartmouth College
Amirmohsen Behjat 2016
B.Sc. University of Shiraz Iran
M.Sc. University of Razi Iran and M.A.Sc. Ryerson University Canada
Ph.D. Candidate University of Victoria Canada
Karl Bishop 2008
B.A. Western State College
Ph.D. Syracuse University
Patricia Bixel 2014
B.A. Rice University
M.A. Duke University
Ph.D. Rice University
Robert Brooks 2009
B.S. University of Idaho
M.S. University of Wisconsin
Ph.D. Washington State University
Maria Cahill 2014
B.A. University of Washington
M.A. Southern University
Ph.D. University of Wisconsin
Adam Crowley 2008
B.A. University of Maine
M.A. University of Maine
Ph.D. University of New Brunswick
Bradford Dykes 2016
B.S. Grand Valley State University
M.S. Western Michigan University
Ph.D. Candidate Western Michigan University
Lola Ellis 2016
B.A. Bowdoin College
M.A. University of Rhode Island
Stephanie Gross 2004
B.A. University of Oklahoma
M.A. University of Oklahoma
Clifton Guthrie 2007
B.S. Duke University
M.Div. Emory University
Ph.D. Emory University
Irene Haskins 2007
B.S. Eastern New Mexico University
M.S. University of Colorado
David Haus Jr. 2012
B.A. Pennsylvania State University
M.A. Bowling Green State University
Ph.D. Bowling Green State University
Lauren Holleb 2013
B.A. Miami University in Oxford Ohio
M.A. University of Maine
Ph.D. University of Maine
Christopher Howard 2010
B.S. Georgia Southwestern State University
M.S. Augusta State University
Ph.D. Auburn University
Deborah Jackson 2014
B.A. University of Southern Maine
M.S. University of Maine
Ph.D. University of Maine
Nicholas Jenkins 2010
B.F.A. San Francisco Art Institute
M.A. St. John’s College
"Ph.D. Europäische Universität für Interdisziplinäre Studien in Saas-Fee, Switzerland"
Heidar Kashkooli 2000
B.S. University of Maine
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Degree</th>
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<tr>
<td>M.S. University of Maine</td>
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<tr>
<td>Raymond Kennard</td>
<td>B.S. Ithaca College</td>
<td></td>
<td>2016</td>
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<tr>
<td>Paul Kinlaw</td>
<td>B.S. Brown University</td>
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<td>M.A. Dartmouth College</td>
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<tr>
<td>Scott Lambert</td>
<td>B.S. University of Maine Farmington</td>
<td></td>
<td>2013</td>
</tr>
<tr>
<td>Kenneth Lane</td>
<td>M.A. State University of New York</td>
<td></td>
<td>1999</td>
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<tr>
<td>Yanyan Li</td>
<td>B.S. Idaho State University</td>
<td></td>
<td>2014</td>
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<tr>
<td>Jennifer Long</td>
<td>D.A. Idaho State University</td>
<td></td>
<td>2007</td>
</tr>
<tr>
<td>Matthew Pifer</td>
<td>B.A. Alma College</td>
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<td>M. Jay Polsgrove</td>
<td>B.A. University of Oklahoma</td>
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<td>Scott Lambert</td>
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<td>Jennifer Long</td>
<td>Ph.D. University of Montana</td>
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<td>B.S. University of California at Davis</td>
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<td>Lisa Mazzarelli</td>
<td>Ph.D. University of Maine</td>
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<td>Emily Messina</td>
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<td>Rachelle Smith</td>
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<td>Clinton Spaulding</td>
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<td>Thomas Stone</td>
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<td>B.S. Wellesley College</td>
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Ph.D. University of Maine
Roberta Trefts 2014
B.S. Grand Valley State University
M.S. Swinburn University of Technology
Julia Upton 2010
B.A. University of Alabama
M.A. University of Alabama
Ph.D. University of Alabama
Tricia Vankirk 2008
B.S. University of Maine
M.S. University of Maine
Ph.D. University of Maine
Gregory Winston 2001
B.A. Colgate University
M.A. University of Delaware
Ph.D. University of Delaware
Donald Withers 2008
B.S. Syracuse University
Ph.D. University of California Berkeley

NESCom
Lawrence Ayotte 2014
B.A.S. University of Maine Augusta
M.A. Savanna College of Art and Design
Kristopher Bridges 2014
B.S. New England School of Communications
Walter Clissen 2014
B.F.A. National Higher Institute for Theatre and Performing Arts Belgium
M.F.A. National Higher Institute for Theatre and Performing Arts Belgium
Todd Eastman 2014
B.A. University of Maine
M.F.A. Savanah College of Art and Design
John Easton 2014
B.A. Kenyon College
M.B.A. Husson University
Eric Ferguson 2014

B.M. Berklee College of Music
M.M. California State University
Edward Goguen 2014
B.S. New England School of Communications
M.S.Ed. University of New England
Wellington Gordon 2014
B.A. North Carolina Central University and B.S. Middle Tennessee State University
M.M. Western Carolina University
Laura Gurney 2014
B.A./B.S. University of Maine Orono
M.Ed. University of Orono and M.B.A. Husson University
Jeffrey Hope 2014
B.S. Emerson College
Scott Loiselle 2014
B.M.-SRT University of Massachusetts
M.S. Indiana University Purdue University
Mark Nason 2014
B.S. New England School of Communications
J. Nancy Roberts 2014
B.A. Central Connecticut State University
M.B.A. Husson University
Josh Small 2014
B.S. New England School of Communications
Ken Stack 2014
B.A. Webster College
Scott Traylor 2014
B.S. Drexel University
M.B.A. Husson University
Steven Vachon 2014
B.A. University of Maine
Rodney Verrill 2014
B.S. New England School of Communications
Frank Welch 2014
B.S. New England School of Communications
Brave Williams 2014
B.A. University of Maine
M.F.A. University of Alabama

School of Pharmacy
Shuhua Bai 2009
B.S. Shenyang Pharmaceutical University
M.S. Shenyang Pharmaceutical University
Ph.D. Shenyang Pharmaceutical University
Robert Baker 2012
B.S. Pharm Ferris State University
Pharm.D. University of Minnesota
Gwen Bartlett 2014
B.S. Oregon State University
Pharm.D. Oregon State University
Sandra Bartlett 2014
B.S. University of Kentucky
Pharm.D. University of Kansas & Ph.D. Oregon State University
Gregory Cameron 2012
B.S. Pharm Massachusetts College of Pharmacy
Anthony Casapao 2014
B.S. Midwestern University
Pharm.D. Wingate University School of Pharmacy
Conrad Dhing 2009
B.S. Northeast Louisiana University
Ph.D. The University of Louisiana at Monroe
Aaron Domina 2009
B.S. Worcester Polytechnic Institute
Ph.D. Dartmouth College
Alla Fabrikant 2014
Pharm.D. Duquesne University Mylan School of Pharmacy
Derek Hoelz 2012
B.A. Kent State University
Ph.D. University of Maryland
Eric Jarvi 2008
B.S. Southern Illinois University
M.F.S. George Washington University
Ph.D. Oregon State University
Drew Lambert 2013
Pharm.D. University of Buffalo
Rodney Larson 2007
B.S. Pharm Ferris State University
Ph.D. University of Minnesota
William Lindblad 2008
B.S. University of Maine
M.S. Cleveland State University
Ph.D. University of South Carolina
Frank McGrady 2012
B.S. University of Rhode Island
Pharm.D. Idaho State University
Dan Moellentin 2011
B.S. University of Missouri
Pharm.D. University of Arkansas
Ying-Tang Ng 2014
Pharm.D. Wingate University School of Pharmacy
Stephanie Nichols 2013
Pharm.D. University of Buffalo
Roger Phipps 2009
B.A. Oxford University
Ph.D. London University
Ronald Reed 2010
B.S. Pharm University of Cincinnati
Pharm.D. University of Cincinnati
David Richards 2015
B.S. University of Bristol
Ph.D. University College London
Dan Robinson 2010
B.S. Pharm. University of Georgia
Pharm.D. University of Cincinnati
John Scolaro 2015
B.S. Bouve College of Health Sciences
Pharm.D. Bouve College of Health Sciences
James Singletary 2015
B.S. University of Florida
R.Ph. University of Florida
Jennifer Thomas 2015
Pharm.D. Nova Southeastern University
Cassandra White 2013
Pharm.D. Albany College of Pharmacy and Health Sciences
Evan Williams 2012
Pharm.D. University Of Arizona
Tianzhi Yang 2009
B.S. Shenyang Pharmaceutical University
M.S. Shenyang Pharmaceutical University
Ph.D. Peking University
Tao Zhang 2014
B.S. Zhejiang University
Ph.D. University of Michigan
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