

# B.S. INTEGRATED TECHNOLOGY - SOFTWARE DEVELOPMENT/M.B.A.

The dual bachelor's degree in IT and Master of Business Administration program advances an undergraduate/graduate integrated technology and management curriculum. It combines the technical skills from the undergraduate integrated 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.

The B.S. in IT - Software Development degree is designed to provide students with the skills needed to develop, create, and modify enterprise software or specialized utility programs. The Software Development concentration teaches students to identify issues and problems, collect and analyze data, and summarize and present findings.

The Software Development concentration specifically prepares students to develop a wide array of computer 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, they may be involved in only one or two of these areas. Given the rapid changes in the industry regarding software languages, tools, and techniques, continuous professional development is critical in this field. In pursuing the B.S. in IT - Software Development, students will be expected to solve business problems using critical thinking skills, become effective business and technology communicators, become proficient at developing and delivering software solutions, and develop a strong ethical awareness within the context of business. Students will also need to meet the program objectives of the MBA program.

### General Education

BA 302	Business Ethics	3
CM 100	Speech	3
EH 105	College Writing	3
HE 111	The Husson Experience ***	1
MS 132	Probability and Statistics	3
Fine Arts Elective		3
Foreign Culture and Conversation Elective		3
Historical Elective		3
Lab Science Elective		3-4
Literature Elective		3
Math I Elective		4
Perspectives Elective		3
Philosophical Elective		3
Psychological/Sociological Elective		3
Sustainability Elective or Open Elective		3

### Integrated Technology Core

BA 101	Introduction to Business	3
CM 200	Interpersonal Communication	3
or CM 221	Professional Communications	
IT 261	Introduction to Computer Programming I	3
IT 305	Workflow Management	3

IT 351	Information Technology Internship	3
IT 431	Theory and Practice in IT Security	3
IT 471	Current Trends in IT	3
IT 481	Project Management Techniques	3
IT 482	Information Technology Project Development	3
MK 220	Marketing Fundamentals	3
AC/BA/MC Elective		3
AC/BA/MC Electives (200+)		6
IT Electives (300+)		6
Open Electives		9
<b>Software Development Core</b>		
IT 262	Introduction to Computer Programming II	3
IT 321	Systems Analysis & Design	3
IT 325	Algorithms and Data Structures I	3
IT 326	Algorithms and Data Structures II	3
IT 410	Database Design	3
MS 131	Logic and Problem Solving	3
Choose one of the following:		4
MS 180	Precalculus with Trigonometry	
MS 181	Calculus with Applications	
MS 251	Discrete Mathematics	
IT Elective		3
<b>MBA Curriculum</b>		
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 620	Financial Management	3
or BA 621	Marketing Management	
BA 625	Global Strategic Management	3
BA 643	Strategic Change Management	3
Graduate Business Electives		9
<b>Total Hours</b>		<b>153-154</b>

### Freshman

Fall	Hours	Spring	Hours
CM 100	3	BA 101	3
EH 105	3	IT 262	3
HE 111***	1	MS 132	3
IT 261	3	Foreign Culture and Conversation Elective	3
Math I Elective	4	Philosophical Elective	3
Psychological/Sociological Elective	3		
	<b>17</b>		<b>15</b>

### Sophomore

Fall	Hours	Spring	Hours
IT 325	3	BA 302	3
MK 220	3	CM 200 or 221	3

MS 131	3	IT 326	3
AC/BA/MC Elective	3	MS 180 (MS 181 or MS 251)	4
Literature Elective	3	Fine Arts Elective	3
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	<b>15</b>		<b>16</b>

**Junior**

<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
IT 305	3	IT 351	3
IT 321	3	IT 410	3
IT 471	3	Historical Elective	3
Lab Science Elective	3-4	Open Elective	3
Sustainability Elective or Open Elective	3	Perspectives Elective	3
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	<b>15-16</b>		<b>15</b>

**Senior**

<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
BA 600	3	BA 602	3
BA 601	3	BA 605	3
AC/BA/MC Elective (200+)	3	IT 431	3
IT Elective	3	AC/BA/MC Elective (200+)	3
Open Elective	3	Open Elective	3
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	<b>15</b>		<b>15</b>

**Fifth Year**

<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
BA 643	3	BA 625	3
BA 620 or 621	3	IT 482	3
IT 481	3	Grad Business Elective	3
Grad Business Elective	3	Grad Business Elective	3
IT Elective (300+)	3	IT Elective (300+)	3
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	<b>15</b>		<b>15</b>

**Total Hours: 153-154**

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May not be required for degree completion.