

# B.S. HEALTH SCIENCES

## GENERAL EDUCATION COURSES

EH 105	College Writing	3
EH 360	Writing in the Health Professions	3
HE 111	The Husson Experience ***	1
MS 132	Probability and Statistics	3
MS 180	Precalculus with Trigonometry	4
PY 111	General Psychology	3
PY 141	Human Growth and Development	3
SC 181 & SL 181	Chemistry I and Chemistry Lab I	4
Bridge Elective		3
Fine Arts Elective		3
Foreign Culture and Conversation Elective (must also qualify as Humanities Elect)		3
Historical		3
Literature Elective		3
Perspectives Electives		6
Philosophical Elective		3
Sustainability Elective		3

## SCIENCE COURSES

HS 121	Medical Terminology	3
SC 182 & SL 182	Chemistry II and Chemistry Lab II	4
SC 191 & SL 191	General Biology I and General Biology Lab I	4
SC 192 & SL 192	General Biology II and General Biology Lab II	4
SC 221 & SL 221	Anatomy and Physiology I and Anat/Physiology Lab I	4
SC 222 & SL 222	Anatomy and Physiology II and Anatomy/Physiology Lab II	4
SC 224	Research Design	3
SC 241 & SL 241	Microbiology for the Health Sciences and Microbiology Lab	4
SC 271 & SL 271	Physics I and Physics Lab I	4
SC 272 & SL 272	Physics II and Physics Lab II	4
SC 291	Cell Biology	3
SC 322 or SC 333	Epidemiology Pathophysiology	3
SC 334	General Genetics	3
SC 435	Advanced Principles of Physiology	4
Open Electives		9

## Health Sciences Electives 12-16

No more than 2 Health Sciences Electives may come from the list below:

HS 101	Introduction to Health Care Studies
NU 100	Historical Perspectives of Healthcare
PY 232	Abnormal Psychology
SC 106	Introduction to Exercise Science

SC 234	Nutrition
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No fewer than 2 of the Health Sciences Electives may come from the list below:

HS 301	Introduction to Public Health
MS 181	Calculus with Applications ((Or Math I Elective))
MS 212	Intermediate Applied Statistics
PY 340	Physiological Psychology
PY 341	Gerontology
SC 287 & SL 287	Organic Chemistry I and Organic Chemistry I Laboratory
SC 288 & SL 288	Organic Chemistry II and Organic Chemistry II Laboratory
SC 330	Exercise Physiology
SC 336	Evolution
SC 340	Anatomical Basis of Kinesiology
SC 352	Biochemistry
SC 353	Principles of Strength and Cardiovascular Conditioning
SC 354 & SL 354	General Microbiology and General Microbiology Lab
SC 356	Nutrition for Health and Exercise Performance
SC 360	Biomechanics & Kinesiology in Human Performance
SC 390	Biochemical and Molecular Methods
SC 399	Topic/
SC 401	Exercise Testing and Interpretation
SC 402	Exercise Training for Health and Performance
SC 403	Prevention and Management of Chronic Disease
SC 410	Motor Learning in Human Performance
SC 481	Senior Science Capstone Project I
SC 482	Senior Science Capstone Project II
SC 499	Topic/

**Total Hours 123-127**

## Suggested Course Sequence

### First Year

Fall	Hours	Spring	Hours
EH 105 or PY 141	3	MS 180	4
HE 111 ***	1	PY 141 or EH 105	3
PY 111	3	SC 182 & SL 182	4
SC 181 & SL 181	4	SC 192 & SL 192	4
SC 191 & SL 191	4		
	<b>15</b>		<b>15</b>

### Second Year

Fall	Hours	Spring	Hours
HS 121	3	MS 132	3

SC 221 & SL 221	4	SC 222 & SL 222	4
Fine Arts Elective	3	SC 291	3
Literature Elective	3	Foreign Culture and Conversation Elective (Must also qualify as Humanities Elect)	3
Philosophical Elective	3	Perspectives Elective	3
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	<b>16</b>		<b>16</b>

**Third Year**

<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
SC 224	3	SC 241 & SL 241	4
SC 271 & SL 271	4	SC 272 & SL 272	4
SC 334	3	SC 322 or 333	3
Health Sciences Elective	3-4	Health Sciences Elective	3-4
Sustainability Elective	3		
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	<b>16-17</b>		<b>14-15</b>

**Fourth Year**

<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
EH 360	3	Bridge Elective	3
SC 435	4	Health Sciences Elective	3-4
Health Sciences Elective	3-4	Historical Elective	3
Open Elective	3	Open Elective	3
Perspectives Elective	3	Open Elective	3
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	<b>16-17</b>		<b>15-16</b>

**Total Hours: 123-127**

\*\*May not be required for degree completion.