B.S. HEALTH SCIENCES

EH 105 College Writing EH 360 Writing in the Health Professions 3 HE 111 The Husson Experience *** IT 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 Chemistry I 8 SL 181 and Chemistry Lab I 8 Fridge Elective Fine Arts Elective Fine Arts Elective Foreign Culture and Conversation Elective (must also qualify as Humanities Elect) Historical Literature Elective Perspectives Electives 6 Philosophical Elective 3 SCIENCE COURSES HS 121 Medical Terminology 3 SC 182 Chemistry II 8 SL 182 and Chemistry Lab II SC 191 General Biology I 8 SL 191 and General Biology Lab I SC 192 General Biology II 8 SL 192 and General Biology Lab II SC 221 Anatomy and Physiology I 8 SL 221 and Anat/Physiology Lab II SC 222 Anatomy and Physiology I 8 SL 221 and Anatomy/Physiology Lab II SC 222 Anatomy and Physiology I 8 SL 221 and Anatomy/Physiology Lab II SC 224 Research Design 3 SC 221 Physics I 8 SL 271 and Physics Lab II SC 272 Physics II 8 SL 271 and Physics Lab II SC 272 Physics II 8 SL 272 Cell Biology SC 323 Pathophysiology SC 334 General Genetics 3 SC 435 Advanced Principles of Physiology A PATON And Proper Science PY 232 Abnormal Psychology SC 106 Introduction to Health Care Studies NU 100 Historical Perspectives of Healthcare PY 232 Abnormal Psychology SC 106 Introduction to Fxercise Science	GENERAL EDUCA	TION COURSES	
HE 111	EH 105	College Writing	3
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 Chemistry I 4 8 SL 181 and Chemistry Lab I Bridge 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 8 HS 121 Medical Terminology 3 SC 182 Chemistry II 4 & SL 182 and Chemistry Lab II 4 SC 191 General Biology I 4 & SL 191 and General Biology Lab I 4 SC 192 General Biology II 4 & SL 221 Anatomy and Physiology I 4 & SL 221 and Anat/Physiology Lab I 4 <td>EH 360</td> <td>Writing in the Health Professions</td> <td>3</td>	EH 360	Writing in the Health Professions	3
MS 180 Precalculus with Trigonometry 4 PY 111 General Psychology 3 SC 181 Chemistry I 4 & SL 181 and Chemistry Lab I 3 Fine Arts Elective 3 3 Fine Arts Elective 3 3 Foreign Culture and Conversation Elective (must also qualify as Humanities Elect) 3 Historical 3 3 Literature Elective 3 Perspectives Electives 6 Philosophical Elective 3 Sustainability Elective 3 Sustainability Elective 3 Science Courses 6 HS 121 Medical Terminology 3 SC 182 Chemistry II 4 & SL 182 and Chemistry Lab II 4 SC 192 General Biology I 4 & SL 191 and General Biology Lab I 4 SC 192 General Biology Lab II 4 SC 221 Anatomy and Physiology I 4 & SL 222 Andomy and Physiology I <td>HE 111</td> <td>The Husson Experience ***</td> <td>1</td>	HE 111	The Husson Experience ***	1
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PY 141 Human Growth and Development 3 SC 181 Chemistry I and Chemistry Lab I 4 8 SL 181 and Chemistry Lab I 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 4 HS 121 Medical Terminology 3 SCIENCE COURSES 4 HS 121 Medical Terminology 3 SC 182 Chemistry II 4 & SL 182 and Chemistry Lab II 4 SC 191 General Biology I 4 & SL 191 and General Biology Lab II 4 SC 192 General Biology Lab II 4 SC 221 Anatomy and Physiology I 4 & SL 222 Anatomy and Physiology Lab II 4 SC 224 Research Design 3 </td <td>MS 180</td> <td>Precalculus with Trigonometry</td> <td>4</td>	MS 180	Precalculus with Trigonometry	4
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& SL 191 and General Biology Lab I SC 192 General Biology II & SL 192 and General Biology Lab II SC 221 Anatomy and Physiology I & SL 221 and Anat/Physiology Lab I SC 222 Anatomy and Physiology II & SL 222 and Anatomy/Physiology Lab II SC 224 Research Design 3 SC 241 Microbiology for the Health Sciences 4 & SL 241 and Microbiology Lab SC 271 Physics I 4 SC 271 Physics I 4 SC 272 Physics II 4 SC 272 Physics II 4 SC 291 Cell Biology 3 SC 322 Epidemiology 3 SC 322 Epidemiology 3 SC 334 General Genetics 3 SC 435 Advanced Principles of Physiology 4 Open Electives 9 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	& SL 182	and Chemistry Lab II	
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& SL 221 and Anat/Physiology Lab I SC 222 Anatomy and Physiology II 4 & SL 222 and Anatomy/Physiology Lab II SC 224 Research Design 3 SC 241 Microbiology for the Health Sciences 4 & SL 241 and Microbiology Lab SC 271 Physics I 4 & SL 271 and Physics Lab I SC 272 Physics II 4 & SL 272 and Physics Lab II SC 291 Cell Biology 3 SC 322 Epidemiology 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	& SL 192	and General Biology Lab II	
SC 222 Anatomy and Physiology II 4 & SL 222 and Anatomy/Physiology Lab II SC 224 Research Design 3 SC 241 Microbiology for the Health Sciences 4 & SL 241 and Microbiology Lab SC 271 Physics I 4 & SL 271 and Physics Lab I SC 272 Physics II 4 & SL 272 and Physics Lab II SC 291 Cell Biology 3 SC 322 Epidemiology 3 SC 322 Epidemiology 3 or SC 333 Pathophysiology 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			4
& SL 222 and Anatomy/Physiology Lab II SC 224 Research Design 3 SC 241 Microbiology for the Health Sciences 4 & SL 241 and Microbiology Lab SC 271 Physics I 4 & SL 271 and Physics Lab I SC 272 Physics II 4 & SL 272 and Physics Lab II SC 291 Cell Biology 3 SC 322 Epidemiology 3 or SC 333 Pathophysiology 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 222		4
SC 241 Microbiology for the Health Sciences 4 & SL 241 and Microbiology Lab SC 271 Physics I 4 & SL 271 and Physics Lab I SC 272 Physics II 4 & SL 272 and Physics Lab II SC 291 Cell Biology 3 SC 322 Epidemiology 3 or SC 333 Pathophysiology 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	& SL 222		
& SL 241 and Microbiology Lab SC 271 Physics I 4 & SL 271 and Physics Lab I SC 272 Physics II 4 & SL 272 and Physics Lab II SC 291 Cell Biology 3 SC 322 Epidemiology 3 or SC 333 Pathophysiology 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 224	Research Design	3
SC 271 Physics I 4 & SL 271 and Physics Lab I SC 272 Physics II 4 & SL 272 and Physics Lab II SC 291 Cell Biology 3 SC 322 Epidemiology 3 or SC 333 Pathophysiology 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			4
& SL 271 and Physics Lab I SC 272 Physics II 4 & SL 272 and Physics Lab II SC 291 Cell Biology 3 SC 322 Epidemiology 3 or SC 333 Pathophysiology 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			4
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SC 322 Epidemiology 3 or SC 333 Pathophysiology 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	& SL 272	and Physics Lab II	
or SC 333 Pathophysiology 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 291	Cell Biology	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 322	Epidemiology	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	or SC 333	Pathophysiology	
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 334	General Genetics	3
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 435	Advanced Principles of Physiology	4
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	Open Electives		9
below: HS 101 Introduction to Health Care Studies NU 100 Historical Perspectives of Healthcare PY 232 Abnormal Psychology	Health Sciences I	Electives	12-16
NU 100 Historical Perspectives of Healthcare PY 232 Abnormal Psychology		lealth Sciences Electives may come from the list	
PY 232 Abnormal Psychology	HS 101	Introduction to Health Care Studies	
	NU 100	Historical Perspectives of Healthcare	
	PY 232	Abnormal Psychology	
33 . 33 Introduction to Exclude continue	SC 106	Introduction to Exercise Science	

SC 234	Nutrition
No fewer than 2 o list below:	f the Health Sciences Electives may come from the
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		
	15		15

Second Year

Fall	Hours	Spring	Hours
HS 121	3	MS 132	3

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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
	16		16
Third Year			
Fall	Hours	Spring	Hours
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		
	16-17		14-15
Fourth Year			
Fall	Hours	Spring	Hours
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
	16-17		15-16

Total Hours: 123-127

^{***}May not be required for degree completion.