

B.S. BIOLOGY - BIOCHEMISTRY

General Education Courses

BY 191 & BL 191	General Biology I and General Biology Lab I	4
CH 181 & CX 181	Chemistry I and Chemistry Lab I	4
EH 105	College Writing	3
HE 111	The Husson Experience ***	1
MS 132	Probability and Statistics	3
MS 180	Precalculus with Trigonometry	4
Fine Arts Elective		3
Foreign Culture & Conversation Elective		3
Humanities Elective		3
Literature Elective		3
Perspectives Electives		6
Philosophical Elective		3
Psychological/Sociological Elective		3

Required Science Courses

BY 192 & BL 192	General Biology II and General Biology Lab II	4
BY 241 & BL 241	Microbiology for the Health Sciences and Microbiology Lab	4
BY 291	Cell Biology	3
BY 334	General Genetics	3
CH 182 & CX 182	Chemistry II and Chemistry Lab II	4
CH 287 & CX 287	Organic Chemistry I and Organic Chemistry I Laboratory	4
CH 288 & 288	Organic Chemistry II and Organic Chemistry II	4
CH 352	Biochemistry	3
CH 390	Biochemical and Molecular Methods	4
CH 450	Physical Biochemistry	4
MS 181	Calculus with Applications	4
MS 182	Calculus II	4
MS 212	Intermediate Applied Statistics	3
SC 285 & SL 285	University Physics I and University Physics I (Laboratory)	4
SC 286 & SL 286	University Physics II and University Physics II Lab	4
SC 383	Junior Science Seminar	3
Choose one of the following:		3
SC 481	Senior Science Capstone Project I	
SC Elective (300+)		
Choose one of the following:		3
SC 482	Senior Science Capstone Project II	
SC Elective (300+)		
SC Elective (300+)		3
Open Elective		9

Total Hours **120**

First Year

Fall	Hours	Spring	Hours
BY 191 & BL 191	4	BY 192 & BL 192	4
CH 181 & CX 181	4	CH 182 & CX 182	4
EH 105 (or Foreign Culture and Conversation Elective)	3	EH 105 (or Foreign Culture and Conversation Elective)	3
HE 111 ***	1	MS 181	4
MS 180	4		
16		15	

Second Year

Fall	Hours	Spring	Hours
CH 287 & CX 287	4	BY 291	3
MS 132	3	CH 288 & CX 288	4
MS 182	4	MS 212	3
Psychological/Sociological Elective	3	Literature Elective	3
		Philosophical Elective	3
14		16	

Third Year

Fall	Hours	Spring	Hours
CH 352	3	BY 241 & BL 241	4
SC 285 & SL 285	4	CH 390	4
SC 383	3	SC 286 & SL 286	4
Open Elective	3		
Perspectives Elective	3		
16		12	

Fourth Year

Fall	Hours	Spring	Hours
BY 334	3	SC 482 (or SC Elective (300+))	3
CH 450	4	Humanities Elective	3
SC 481 (OR SC Elective (300+))	3	Perspectives Elective	3
Open Elective	3	SC Elective (300+)	3

Fine Arts Elective	3	Open Elective	3
16		15	
Total Hours: 120			

**May not be required for degree completion.