

**Departmental/Program Major Courses (43-46 credits)** \*A 2.0 average is required in these courses

**\*Required Major Courses (39 credits)**

- \_\_\_\_\_ (2) BIOL 12100 Biology I: Diversity, Ecology and Behavior *(satisfies Science, Technology & Society Selective for core)*
- \_\_\_\_\_ (3) BIOL 13100 Biology II: Development, Structure, and Function of Organisms
- \_\_\_\_\_ (2) BIOL 13500 First Year Biology Lab or BIOL 14501 First Yr Lab Neuro Res Project or IT 22600 Biotechnology Lab I
- \_\_\_\_\_ (3) BIOL 23100 Biology III: Cell Structure & Function
- \_\_\_\_\_ (2) BIOL 23200 Lab in Cell Structure & Function
- \_\_\_\_\_ (3) BIOL 24100 Biology IV: Genetics & Molecular Biology
- \_\_\_\_\_ (2) BIOL 24200 Lab in Genetics & Molecular Biology
- \_\_\_\_\_ (2) BIOL 28600 Intro to Ecology & Evolution
- \_\_\_\_\_ (3) BIOL 39500 Macromolecules
- \_\_\_\_\_ (3) BIOL 41500 Intro to Molecular Biology
- \_\_\_\_\_ (3) BIOL 42000 Eukaryotic Cell Biology
- \_\_\_\_\_ (2) BIOL 44201 Introductory Module: Protein Expression
- \_\_\_\_\_ (3) BIOL 59500 Methods & Measurements in Physical Biochemistry
- \_\_\_\_\_ (3) BCHM 56100 General Biochemistry I
- \_\_\_\_\_ (3) BCHM 56200 General Biochemistry II

**\*Major Selectives - Select course for each requirement (4-7 credits)**

- \_\_\_\_\_ (1-2) Biology Lab Selective [LINK 1](#)
- \_\_\_\_\_ (1-2) Biology Lab Selective [LINK 1](#)
- \_\_\_\_\_ (2-3) Biology Selective [LINK 2](#)

**Other Departmental /Program Course Requirements (71-84 credits)**

- \_\_\_\_\_ (0-4) CHM 11500 (if 12901 is not taken) General Chemistry *(satisfies Science Selective for core)*
- \_\_\_\_\_ (4-5) CHM 11600 or 12901 General Chemistry
- \_\_\_\_\_ (4) Organic CHM 1 Selective [LINK 3](#)
- \_\_\_\_\_ (4) Organic CHM 2 Selective [LINK 4](#)
- \_\_\_\_\_ (0-4) Analytical Chemistry Selective -- Select from BCHM 22100 or CHM 22400 or CHM 32100
- \_\_\_\_\_ (0-6) Physical Chemistry Selective – Select from CHM 37200 or [CHM 37300 and 37400]
- \_\_\_\_\_ (4-6) Biochemistry Honors Selective – Select from CHM 32100 or [CHM 37300 and 37400]
- \_\_\_\_\_ (4) PHYS 17200 *(satisfies Science Selective for core)*
- \_\_\_\_\_ (4) PHYS 27200
- \_\_\_\_\_ (4-5) Calculus 1 Selective – Select from MA 16100 or 16500 *(satisfies Quantitative Reasoning Selective for core)*
- \_\_\_\_\_ (4-5) Calculus 2 Selective– Select from MA 16200, 16600 or 17300
- \_\_\_\_\_ (3) STAT 50300 Statistical Methods for Biology
- \_\_\_\_\_ (3-4) Computer Science Selective [LINK](#)
- \_\_\_\_\_ (3-4) ENGL 10600 or 10800 *(satisfies Written Communication for core); (satisfies Information Literacy Selective for core)*
- \_\_\_\_\_ (3) Language & Culture 1 Selective [LINK](#)
- \_\_\_\_\_ (3) Language & Culture 2 Selective [LINK](#)
- \_\_\_\_\_ (3) Language & Culture 3 Selective [LINK](#)
- \_\_\_\_\_ (3) COM 21700 *(satisfies Oral Communication for core)*
- \_\_\_\_\_ (3) General Education 1 Selective [LINK](#) *(satisfies Human Culture Behavioral/Social Science for core)*
- \_\_\_\_\_ (3) General Education 2 Selective [LINK](#) *(satisfies Human Cultures Humanities for core)*
- \_\_\_\_\_ (3) General Education 3 Selective [LINK](#)
- \_\_\_\_\_ (0-3) Teambuilding & Collaboration Selective [LINK](#)
- \_\_\_\_\_ (3) Great Issues Selective [LINK](#)
- \_\_\_\_\_ (1-3) Multidisciplinary Selective [LINK](#)

**Electives (0-6 credits)**

\_\_\_\_\_ ( ) \_\_\_\_\_ ( ) \_\_\_\_\_ ( ) \_\_\_\_\_ ( ) \_\_\_\_\_

**University Core Requirements**

Human Cultures Humanities	<input type="checkbox"/>	_____	Science, Technology & Society Selective	<input type="checkbox"/>	_____
Human Cultures Behavioral/Social Science	<input type="checkbox"/>	_____	Written Communication	<input type="checkbox"/>	_____
Information Literacy	<input type="checkbox"/>	_____	Oral Communication	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____	Quantitative Reasoning	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____			

**The student is ultimately responsible for knowing and completing all degree requirements.**

**Biochemistry Honors**  
(Beginning with CHM 11500 in fall)

**Suggested Arrangement of Courses:**

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
2	BIOL 12100		3	BIOL 13100	
2	BIOL 13500	CHM 11500 coreq	4	CHM 11600	CHM 11500
5	CHM 11500	ALEKS score of 70	4-5	Calculus II Selective	Calc I
4-5	Calculus I Selective		3	Language/Culture 2 Selective	Lang 10100
3	Language/Culture 1 Selective		3-4	ENGL 10600 or 10800	
1	BIOL 11500				
<b>17-18</b>			<b>17-19</b>		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	BIOL 23100	CHM 12901 prereq; BIOL 13100	3	BIOL 24100	BIOL 23100
2	BIOL 23200		2	BIOL 24200	
4	Organic Chem 1 Selective	CHM 11600 or 12901	4	Organic Chem 2 Selective	Organic I
3	Language/Culture 3 Selective	varies	2	BIOL 28600	BIOL 12100
3	COM 21700		1	BIOL 29300	
			3	General Education 1 Selective	
<b>15</b>			<b>15</b>		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	BCHM 56100	Organic II lecture	3	BCHM 56200	
3	BIOL 39500	BIOL 23100 & 24100	4	PHYS 27200	
3	BIOL 41500	BIOL 23100 & 24100	3-4	Computer Science Selective	
4	PHYS 17200		1	BIOL 39300	
3	General Education 2 Selective		3	General Education 3 Selective	
<b>16</b>			<b>14-15</b>		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	BIOL 42000		4	Physical Chemistry Selective	varies
3	BIOL 59500 (Meth & Meas in Physical Biochem)		3	STAT 50300	
3-4	Analytical Chemistry Selective		3	Great Issues Selective	
1-3	Multidisciplinary Selective		2	BIOL 44201	
2-3	Biology Selective		1-2	Biology Lab Selective	
			1-2	Biology Lab Selective	
<b>12-16</b>			<b>14</b>		

**120 semester credits required for Bachelor of Science degree.**  
**2.0 Graduation GPA required for Bachelor of Science degree.**