

Departmental/Program Major Courses (51-53 credits) *A 2.0 average is required in these courses

***Required Major Courses (33 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 41600 Viruses & Viral Diseases
- _____ (3) BIOL 43800 General Microbiology
- _____ (2) BIOL 43900 Lab in General Microbiology
- _____ (3) BIOL 52900 Bacterial Physiology
- _____ (3) BIOL 54100 Molecular Genetics of Bacteria

***Major Selectives - Select one course for each requirement (6 credits)**

- _____ (3) Biology Selective (Req # 14)

Other Departmental /Program Course Requirements (64-76 credits)

- _____ (0-4) CHM 11500 (if 12901 is not taken) *(satisfies Science Selective for core)*
- _____ (4-5) CHM 11600 or 12901
- _____ (4) Organic CHM 1 Selective [LINK](#)
- _____ (4) Organic CHM 2 Selective [LINK](#)
- _____ (4) Chem Selective - BCHM 56100 or CHM 33900 (plus 33901 if CHM 12901 is taken for gen chemistry)
- _____ (4) PHYS 1 Selective [LINK](#) *(satisfies Science Selective for core)*
- _____ (4) PHYS 2 Selective [LINK](#)
- _____ (3-5) Calculus 1 Selective – Select from MA 23100, 16100, or 16500 *(satisfies Quantitative Reasoning Selective for core)*
- _____ (3-5) Calculus 2 Selective– Select from MA 23200, 16200, 16600 or 17300
- _____ (3) STAT 50300
- _____ (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 (5-17 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.

Microbiology
(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
4	CHM 11500		3-5	Calculus II Selective	Calc I
3-5	Calculus I Selective		3	Language/Culture 2 Selective	Lang 10100
3	Language/Culture 1 Selective		3-4	ENGL 10600 or 10800	
1	BIOL 11500				
15-17			16-19		

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

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	BIOL 43800	varies	3	BIOL 41600	
2	BIOL 43900		4	Chem Selective	
4	PHYS 1 Selective		4	PHYS 2 Selective	
3	General Education 2 Selective		1	BIOL 39300	
3	Elective		3	General Education 3 Selective	
15			14-15		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	BIOL 54100		3	Biology Selective (Req # 14)	
3	STAT 50300		3	BIOL 52900	
1-3	Multidisciplinary Selective		3	Great Issues Selective	
3-4	Computer Science Selective		3	Elective	
4	Elective		4	Elective	
14-16			16		

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

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