

Departmental/Program Major Courses (40-44 credits) *A 2.0 average is required in these courses

***Required Major Courses (37 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
- _____ (4) MA 26100 Multivariate Calculus

***Major Selectives - Select one course for each requirement (13-17 credits)**

- _____ (3) Microbiology Selective I
- _____ (3) Microbiology Selective II
- _____ (3) Chemistry Selective
- _____ (0-4) Microbiology Honors Selective
- _____ (4) Microbiology Honors Selective

Other Departmental /Program Course Requirements (66-76 credits)

- _____ (5) CHM 12901 General Chemistry
- _____ (4) Organic CHM 1 Selective
- _____ (4) Organic CHM 2 Selective
- _____ (4) CHM 33900-33901
- _____ (4) PHYS 1 Selective – Select from PHYS 23300 or 17200 (*satisfies Science Selective for core*)
- _____ (4) PHYS 2 Selective – Select from PHYS 23400 or 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
- _____ (3-4) Computer Science Selective
- _____ (3-4) ENGL 10600 or 10800 (*satisfies Written Communication for core*); (*satisfies Information Literacy Selective for core*)
- _____ (3) Language & Culture 1 Selective
- _____ (3) Language & Culture 2 Selective
- _____ (3) Language & Culture 3 Selective
- _____ (3) COM 21700 (*satisfies Oral Communication for core*)
- _____ (3) General Education 1 Selective _ (*satisfies Human Culture Behavioral/Social Science for core*)
- _____ (3) General Education 2 Selective __(*satisfies Human Cultures Humanities for core*)
- _____ (3) General Education 3 Selective
- _____ (0-3) Teambuilding & Collaboration Selective
- _____ (3) Great Issues Selective
- _____ (1-3) Multidisciplinary Selective

Electives (0-7 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.

Revised 5/2015 (effective Fall 2015)

Microbiology Honors

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
2	BIOL 12100		3	BIOL 13100	
2	BIOL 13500	CHM 12901 coreq	4	Organic Chem 1 Selective	CHM 11600 or 12901
5	CHM 12901	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				
17-18			17-19		

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 2 Selective	Organic I	4	CHM 33900-33901	Organic II
4	MA 26100	Calc II	2	BIOL 28600	BIOL 12100
3	Language/Culture 3 Selective	varies	3	General Education 1 Selective	
16			14		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	BIOL 43800	varies	3	BIOL 41600	
2	BIOL 43900		3	BIOL 52900	
4	PHYS 1 Selective		4	PHYS 2 Selective	
3	General Education 2 Selective		1	BIOL 39300	
3	COM 21700		3	General Education 3 Selective	
15			14		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	Microbiology Selective I		3	Microbiology Selective II	varies
3-4	Computer Science Selective		3	STAT 50300	
4	Microbiology Honors Selective		4	Microbiology Honors Selective	
1-3	Multidisciplinary Selective		3	Great Issues Selective	
3	Elective				
14-17			13		

**120 semester credits required for Bachelor of Science degree.
3.0 Graduation GPA required for Microbiology Honors major.
2.0 Graduation GPA required for Bachelor of Science degree.**

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

Revised 5/2013 (effective Fall 2013)

Microbiology 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
4	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				
16-17			17-19		

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
4	MA 26100	Calc II	2	BIOL 28600	BIOL 12100
3	Language/Culture 3 Selective	varies	1	BIOL 29300	
			3	General Education 1 Selective	
16			15		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	BIOL 43800	varies	3	BIOL 41600	
2	BIOL 43900		4	CHM 3xxxx	
4	PHYS 1 Selective		4	PHYS 2 Selective	
3	General Education 2 Selective		1	BIOL 39300	
3	COM 21700		3	General Education 3 Selective	
15			14-15		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	BIOL 54100		3	Biology Selective	
3	STAT 50300		3	BIOL 52900	
4	Microbiology Honors Selective		4	Microbiology Honors Selective	
3-4	Computer Science Selective		3	Great Issues Selective	
1-3	Multidisciplinary Selective				
14-17			13		

**120 semester credits required for Bachelor of Science degree.
 3.0 Graduation GPA required for Microbiology Honors major.
 2.0 Graduation GPA required for Bachelor of Science degree.**

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