

Departmental/Program Major Courses (34 credits) *A 2.0 average is required in these courses

***Required Major Courses (25 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
 ____ (1) BIOL 44100 Senior Seminar in Genetics
 ____ (3) BIOL 48100 Eukaryotic Genetics
 ____ (2) BIOL 44201 Introductory Module: Protein Expression

***Intermediate Biology Selective - Select one; cannot also be used for Major Selectives below (3-4 credits)**

- ____ (3-4) Intermediate Biology Selective (Req #9)

***Major Selectives - Select course for each requirement (11-13 credits)**

- ____ (3) 500 Level Biology Selective (Req # 13)
 ____ (1-2) Biology Lab Selective (Req # 12)
 ____ (1-2) Biology Lab Selective (Req # 12)
 ____ (3) Biology Selective (Req # 13)

Other Departmental /Program Course Requirements (64-79 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
 ____ (3-5) Calculus 1 Selective – Select from MA 16010, 16100, or 16500 *(satisfies Quantitative Reasoning Selective for core)*
 ____ (3-5) Calculus 2 Selective– Select from MA 16020, 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 (5-23credits)

____ () _____ ____ () _____ ____ () _____ ____ () _____

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.

Genetics

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 85	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				
16-18			16-19		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	BIOL 23100	CHM 116 coreq; 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
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	Biology Selective (Req # 13)	varies	3	BOL 48100	
4	PHYS 1 Selective	varies	4	PHYS 2 Selective	
3	General Education 2 Selective		3-4	Computer Science Selective	
3	Elective		1	BIOL 39300	
3	Elective		3	General Education 3 Selective	
16			14-15		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	Intermediate Biology Selective (Req #9)		3	500 Level Biology Selective (Req # 13)	varies
3	STAT 50300				
1-3	Multidisciplinary Selective		1-2	Biology Lab Selective (Req # 12)	
1	BIOL 44100		1-2	Biology Lab Selective (Req # 12)	
4	Elective		3	Great Issues Selective	
3	Elective		5	Elective	
15-17			13		

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.
