

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)

- _____ (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 11](#)
 _____ (4) Organic CHM 2 Selective [LINK 12](#)
 _____ (4) Chem Selective - BCHM 56100 or CHM 53300 or CHM 33900 (plus 33901 if CHM 12901 is taken for gen chemistry)
 _____ (4) PHYS 1 Selective [LINK 13](#) (*satisfies Science Selective for core*)
 _____ (4) PHYS 2 Selective [LINK 14](#)
 _____ (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 (5-23credits)

_____ () _____ () _____ () _____ () _____

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

(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	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 116 coreq; 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	
15			15		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	Biology Selective (Req # 13)	varies	3	BIOL 48100	
4	PHYS 1 Selective		4	PHYS 2 Selective	
3	General Education 2 Selective		4	Chem Selective	
3	Elective		1	BIOL 39300	
3	Elective		3	General Education 3 Selective	
16			15		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3-4	Intermediate Biology Selective (Req #9)		3	500 Level Biology Selective (Req # 13)	varies
1	BIOL 44100		2	BIOL 44201 (Req # 12)	
3-4	Computer Science Selective		1-2	Biology Lab Selective (Req # 12)	
3	STAT 50300		1-2	Biology Lab Selective (Req # 12)	
1-3	Multidisciplinary Selective		3	Great Issues Selective	
3	Elective		4	Elective	
14-18			14-16		

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.

.....