

Departmental/Program Major Courses (29 credits) *A 2.0 average is required in these courses

***Required Major Courses (19 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

***Biology Selectives – One course may satisfy multiple requirements (must total at least 10 credits)**

- _____ (3-4) Intermediate Biology Selective (Req #9)
- _____ (2-3) Group A Selective (Req #10)
- _____ (2-3) Group B Selective (Req #10)
- _____ (3-4) 500 Level Biology Selective (Req #10)
- _____ (2-4) Biology Lab Selective (Req #10)

Other Departmental /Program Course Requirements (xx-xx 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) 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 and Information Literacy 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](#) *(may satisfy Human Culture Behavioral/Social Science for core)*
- _____ (3) General Education 2 Selective [LINK](#)
- _____ (3) General Education 3 Selective [LINK](#)
- _____ (0-3) Teambuilding & Collaboration Selective [LINK](#)
- _____ (3) Great Issues Selective [LINK](#)
- _____ (1-3) Multidisciplinary Selective [LINK](#)
- _____ (3) EDCI 20500 Exploring Teaching as a Career
- _____ (3) EDCI 28500 Multiculturalism and Education *(satisfies Human Cultures Humanities for core)*
- _____ (3) EDPS 23500 Learning and Motivation *(satisfies Behavioral Social Sciences for core)*
- _____ (3) EDPS 26500 The Inclusive Classroom *(satisfies Human Cultures Humanities for core)*
- _____ (3) EDCI 30900 Reading in Middle & Secondary Schools: Methods & Problems
- _____ (3) EDCI 27000 Introduction to Educational Technology & Computing *(satisfies Information Literacy Selective for core)*
- _____ (3) EDST 20000 History & Philosophy of Education *(satisfies Human Cultures Humanities for core)*
- _____ (3) EDCI 42100 The Teaching of Biology in Secondary Schools
- _____ (2) EDCI 42800 Teaching Science in Middle and Junior High Schools
- _____ (10) EDCI 49800 Supervised Teaching Life Science Education

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.

Biology Education

(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 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	EDCI 27000		1	BIOL 29300	
3	EDCI 20500		2	BIOL 28600	
3	EDCI 28500		3	EDPS 23500	
			3	EDPS 26500	
18			18		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	Intermediate Biology Selective	varies	3	Group B Selective	
2-3	Group A Selective	varies	3-4	Computer Science Selective	
4	PHYS 1 Selective		4	PHYS 2 Selective	
3	General Education 1 Selective		1	BIOL 39300	
3	COM 21700		3	General Education 2 Selective	
15-16			14-15		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
2-4	Biology Lab Selective(s)		2	EDCI 42800	
3	500 Level Biology Selective		3	EDCI 30900	
3	STAT 50300		10	EDCI 49800	
3	EDCI 42100				
3	Great Issues Selective				
14-16			15		

120 semester credits required for Bachelor of Science degree.
2.5 Biology Content Area gpa is required.
2.0 Graduation GPA required for Bachelor of Science degree.

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