

**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)**

- \_\_\_\_\_ (5) CHM 12901 General Chemistry
- \_\_\_\_\_ (4) Organic CHM 1 Selective
- \_\_\_\_\_ (4) Organic CHM 2 Selective
- \_\_\_\_\_ (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 and Information Literacy 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 \_ (*may satisfy Human Culture Behavioral/Social Science for core*)
- \_\_\_\_\_ (3) General Education 2 Selective
- \_\_\_\_\_ (3) General Education 3 Selective
- \_\_\_\_\_ (0-3) Teambuilding & Collaboration Selective
- \_\_\_\_\_ (3) Great Issues Selective
- \_\_\_\_\_ (1-3) Multidisciplinary Selective
- \_\_\_\_\_ (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*)
- \_\_\_\_\_ (1) EDST 20010 Educational Policies and Laws
- \_\_\_\_\_ (2) EDPS 32700 Assessment Literacy
- \_\_\_\_\_ (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"/>	_____			

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

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**Biology Education****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				
<b>16-18</b>			<b>16-19</b>		

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 lecture	2	BIOL 28600	BIOL 12100
3	General Education 1 Selective		1	EDST 20010	
3	COM 21700		3	EDCI 27000	
			2	EDPS 32700	
			1	BIOL 29300	
			3	General Education 2 Selective	
<b>15</b>			<b>17</b>		

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	4	PHYS 2 Selective	
4	PHYS 1 Selective		3-4	Computer Science Selective	
3	Great Issues Selective		1	BIOL 39300	
3	EDCI 20500		3	EDPS 23500	
3	EDCI 28500		3	EDPS 26500	
<b>18-19</b>			<b>17-18</b>		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
2-4	Biology Lab Selective(s)		2	EDCI 42800	
3	STAT 50300		3	EDCI 30900	
3	500 Level Biology Selective	varies	10	EDCI 49800	
3	EDCI 42100				
<b>11-13</b>			<b>15</b>		

**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.**

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

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