

### Secondary Education — Biology (B.S.)

#### FRESHMAN YEAR

<b>Fall Semester</b>	<b>15 Credits</b>
BIOL 1800	General Biology I..... (4)
CHEM 1300	General Chemistry I*..... (4)
ENGL 1100	Writing I.....(3)
MATH 1300	Precalculus ..... (4)

\*General Chemistry requires a 'passing' score on Advanced Algebra and Functions Accuplacer placement exam OR successful completion of MATH 0500 (Algebraic Preparation) prior to enrollment. To continue as a Biology major, students must earn a grade of 2.0 or higher in General Biology I and General Chemistry I.

<b>Spring Semester</b>	<b>17 Credits</b>
ENGL 1200	Writing II.....(3)
CHEM 1400	General Chemistry II..... (4)
BIOL 1900	General Biology II..... (4)
GEOG 1000	Earth Systems Science.....(3)
	LA&S Elective .....(3)

#### JUNIOR YEAR

<b>Fall Semester</b>	<b>14 Credits</b>
BIOL 2250	Cell Biology (4)
PHYS 2300	General Physics I..... (4)
	LA&S Elective .....(3)
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<b>Spring Semester</b>	<b>14 Credits</b>
BIOL 3015	Methods of Teaching Biology (8-12) I.....(3)
BIOL ≥3000	Biology Elective (Capstone Course)..... (4)
ENGL 4700	Teaching Reading and Writing Across the Content Area .....(3)
PHYS 2400	General Physics II ..... (4)

#### LA&S Elective List

- 1 AOM attribute (Art or Music)
- 1 ART attribute (the Arts)
- 1 CTW attribute (Citizenship & The World)
- 3 credits HAF attribute (Health/Fitness)
- 1 HIST subject (History)
- 1 HMN attribute (Human Behavior)
- 1 LIT attribute (Literature)

#### Advanced LA&S Options Area

The four required courses in Chemistry fulfill the 12-credit Option B of the LA&S Advanced Curriculum Requirement.

#### Global Diversity Area

Two courses must meet the Global Diversity (GD) requirement. The GD courses may also satisfy other LAS requirements at the same time.

Completion of 120 credits required for graduation.

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#### SOPHOMORE YEAR

<b>Fall Semester</b>	<b>17 Credits</b>
BIOL 2300** OR 2800	Ecology (OR Genetics)..... (4)
BIOL 1860	Introduction to Education (5-12) .....(3)
CHEM 2000	Organic Chemistry I..... (4)
MATH 1700+	Applied Statistics .....(3)
	LA&S Elective .....(3)

\*\* BIOL 2300 Ecology is only taught in the fall semester.

<b>Spring Semester</b>	<b>17 Credits</b>
BIOL 2800	Genetics..... (4)
CHEM 2100	Organic Chemistry II ..... (4)
SPED 3800***	Inclusive Instruction (5-12).....(3)
	LA&S Elective .....(3)
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\*\*\* This course requires completion of BIOL 1860 and successful passage of Stage One Review of Education Unit.

#### SENIOR YEAR

<b>Fall Semester</b>	<b>14-15 Credits</b>
BIOL ≥2000	Biology Elective..... (3-4)
BIOL 4850	Methods in Teaching Biology (8-12) II ..... (3)
EDUC 3122	Sheltered English Immersion .....(3)
	LA&S Elective .....(3)
	Free Elective .....(2)

<b>Spring Semester</b>	<b>12 Credits</b>
BIOL 4860	Biology Practicum in a Secondary School I..... (4.5)
BIOL 4870	Biology Practicum in a Secondary School II..... (4.5)
BIOL 4012	Practicum Seminar (5-12) .....(3)