

## Initial Licensure in Secondary Teaching — Biology (B.A.)

### FRESHMAN YEAR

#### Fall Semester

15 Credits

ENGL 1100	Writing I.....(3)
CHEM 1300	General Chemistry I*.....(4)
BIOL 1800	General Biology I*.....(4)
MATH 1300	Precalculus.....(4)

\*General Biology and General Chemistry require the completion of the Math Placement test prior to enrollment. Students that are able to co-enroll with Basic Math II will be accepted into Biology and Chemistry courses. To continue as a Biology major, students must earn a grade of 2.0 or higher in General Biology I and General Chemistry I.

#### Spring Semester

17 Credits

ENGL 1200	Writing II.....(3)
CHEM 1400	General Chemistry II.....(4)
BIOL 1900	General Biology II.....(4)
GEOG 1000	Earth System Science.....(3)
	Health & Fitness.....(3)

### JUNIOR YEAR

#### Fall Semester

16-17 Credits

BIOL 3250	Cell Biology.....(4)
BIOL 4850	Methods in Teaching Science.....(3)
CHEM 2000	Organic Chemistry I.....(3)
	PHYS Elective.....(3-4)
	Foreign Language.....(3)

#### Spring Semester

16-17 Credits

ENG 4700	Teaching Reading and Writing Across the Content Area.....(3)
	Biology Elective (Capstone).....(4)
	Foreign Language.....(3)
	Biology Elective.....(3 or 4)
	LA&S Elective.....(3)

#### 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

Review the three options with your advisor and submit your decision to the Registrar's Office by completion of 60 credits.

#### Free Electives

It is recommended that students consider their career goals in selecting their free electives by seeking advice from their academic advisor and/or the pre-health advisor. Examples of recommended electives are courses in biology, mathematics, physics, geophysical sciences, computer science and/or industrial technology.

### SOPHOMORE YEAR

#### Fall Semester

17 Credits

BIOL 1200	Anatomy and Physiology I.....(4)
BIOL 2300	Ecology.....(4)
BIOL 2860	Introduction to Secondary Teaching.....(3)
MATH 1700	Applied Statistics.....(3)
	Foreign Language.....(3)

#### Spring Semester

14 Credits

BIOL 1300	Anatomy and Physiology II.....(4)
BIOL 2800	Genetics.....(4)
SPED 3800	Secondary Programs for Adolescents with Special Needs**.....(3)
	Foreign Language.....(3)

\*\*This course requires successful passage of both Communication and Literacy MTEL (Both Reading and Writing Subtests).

### SENIOR YEAR

#### Fall Semester

13-15 Credits

EDUC 3122	Sheltered English Immersion.....(3)
	LA&S Elective.....(3)
	LA&S Elective.....(3)
	LA&S Elective.....(3)
	Free Elective.....(1-3)

#### Spring Semester

12 Credits

BIOL 4860/4870	Biology Practicum.....(9)
BIOL 4012	Practicum Seminar.....(3)

Foreign language proficiency at the Intermediate level is required for all B.A. degrees

#### 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.**