



# Biology Major B.S. Degree

## Pre- and Co-requisites (or demonstrated proficiency) (35 credits)

Term/Year

- |                          |       |   |
|--------------------------|-------|---|
| <input type="checkbox"/> | _____ | <b>Biology 122</b> Introduction to Biology: Genetics and Evolution (3 credits)                                  |
| <input type="checkbox"/> | _____ | <b>Biology 122</b> Lab (1 credit)   |
| <input type="checkbox"/> | _____ | <b>Biology 123</b> Introduction to Biology: Molecular Biology (3 credits)                                       |
| <input type="checkbox"/> | _____ | <b>Biology 123</b> Lab (1 credit)   |
| <input type="checkbox"/> | _____ | <b>Chemistry 110</b> General Chemistry I (3 credits)  |
| <input type="checkbox"/> | _____ | <b>Chemistry 110</b> Lab (1 credit)   |
| <input type="checkbox"/> | _____ | <b>Chemistry 111</b> General Chemistry II (3 credits)   |
| <input type="checkbox"/> | _____ | <b>Chemistry 111</b> Lab (1 credit)   |
| <input type="checkbox"/> | _____ | <b>Chemistry 210</b> Organic Chemistry I (3 credits)  |
| <input type="checkbox"/> | _____ | <b>Chemistry 210</b> Lab (1 credit)   |
| <input type="checkbox"/> | _____ | <b>Math 130</b> Introduction to Statistics (4 credits)  |
| <input type="checkbox"/> | _____ | <b>Math 150</b> Calculus I (4 credits)  |
| <input type="checkbox"/> | _____ | <b>Philosophy 340</b> Bioethics (3 credits)   |
| Course/Term/Year         |       |   |
| <input type="checkbox"/> | _____ | <b>Physics 180</b> General physics I (3 credits) <u>OR</u> <b>Physics 210</b> Principles of physics (3 credits) |
| <input type="checkbox"/> | _____ | <b>Physics 180</b> Lab (1 credit) <u>OR</u> <b>Physics 210</b> Lab (1 credit)                                   |

## Core Areas in Biology (13-14 credits)

Course/Term/Year  
(3 credits)

\_\_\_\_\_

Lab/Term/Year  
(1 credit)

\_\_\_\_\_

Any one organismal biology course with associated lab course from the list below:

- **Biology 210** Human Anatomy and Physiology I
- **Biology 220** Human Anatomy and Physiology II
- **Biology 225** Ornithology
- **Biology 240** Botany [This course has no associated lab course]
- **Biology 245** Zoology
- **Biology 250** Microbiology

Term/Year

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|--------------------------|-------|--|
| <input type="checkbox"/> | _____ | <b>Biology 230</b> Genetics (3 credits)                    |
| <input type="checkbox"/> | _____ | <b>Biology 232</b> Cell Structure and Function (3 credits) |
| <input type="checkbox"/> | _____ | <b>Biology 235</b> Ecology (3 credits)                     |
| <input type="checkbox"/> | _____ | <b>Biology 235</b> Lab (1 credit)                          |

### Biology Electives (9-12 credits)

Three 200 level and above courses. Anthropology 260 allowed. One 300-level required.

Course/Term/Year

<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____

Biology internships (298 or 398) may count as biology electives but can not fulfill the one 300 level course requirement.

### Junior Lab (2 credits)

Term/Year

<input type="checkbox"/>	_____	<b>Biology 373</b> Biological Laboratory Techniques: Molecular Biology (2 credits)
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Two 200-level laboratory courses also required for the B.S. degree

Lab/Term/Year

<input type="checkbox"/>	_____
<input type="checkbox"/>	_____

May overlap with above requirements

### Capstone Sequence (6 credits)

#### Research Seminar (1 credit)

Taken during spring term of Junior year

Term/Year

<input type="checkbox"/>	_____	<b>Biology 380</b> Research Seminar (1 credit)
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#### Senior Seminar Courses (2 credits)

Term/Year

<input type="checkbox"/>	_____	<b>Biology 490</b> Biology Seminar I (1 credit)
<input type="checkbox"/>	_____	<b>Biology 492</b> Biology Seminar III (1 credit)

#### Senior Project (3 credits)

Term/Year

<input type="checkbox"/>	_____	<b>Biology 495</b> Senior Project (3 credits)
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