



Biology Major B.A. Degree

Pre- and Co-requisites (or demonstrated proficiency) (30-31.5 credits)

Term/Year

- | | | |
|--------------------------|-------|---|
| <input type="checkbox"/> | _____ | Biology 122 Introduction to Biology: Genetics and Evolution (3 credits) |
| <input type="checkbox"/> | _____ | Biology 122 Lab (1 credit) |
| <input type="checkbox"/> | _____ | Biology 123 Introduction to Biology: Molecular Biology (3 credits) |
| <input type="checkbox"/> | _____ | Biology 123 Lab (1 credit) |
| <input type="checkbox"/> | _____ | Chemistry 110 General Chemistry I (3 credits) |
| <input type="checkbox"/> | _____ | Chemistry 110 Lab (1 credit) |
| <input type="checkbox"/> | _____ | Chemistry 111 General Chemistry II (3 credits) |
| <input type="checkbox"/> | _____ | Chemistry 111 Lab (1 credit) |
| <input type="checkbox"/> | _____ | Chemistry 210 Organic Chemistry I (3 credits) |
| <input type="checkbox"/> | _____ | Chemistry 210 Lab (1 credit) |
| <input type="checkbox"/> | _____ | Math 130 Introduction to Statistics (4 credits) |
| <input type="checkbox"/> | _____ | Philosophy 340 Bioethics (3 credits) |
| <input type="checkbox"/> | _____ | Math 115 College Algebra (3 credits) <u>AND</u> Math 124 Transcendental Functions (1.5 credits)
<u>OR</u> Math 140 Elements of Calculus (3 credits) |

Course(s)/Term/Year

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

Biology 230 Genetics (3 credits)

Biology 232 Cell Structure and Function (3 credits)

Term/Year

Biology 235 Ecology (3 credits)

Biology 235 Lab (1 credit)

Additional Mathematics or Science Course (3-4 credits)

_____ Course/Term/Year Can include Math 150 or higher, CS 180 or higher, Chem 211, Physics 180 or higher, or any 200 level biology or higher

Biology Electives (9-12 credits)

Three 200 level and above courses. Anthropology 260 allowed. One 300-level required. May include either Earth Science 110 with associated lab, or Environmental Science 105 with associated lab, if taken before Junior year

Course/Term/Year

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
 _____ **Biology 373** Biological Laboratory Techniques: Molecular Biology (2 credits)

Two 200-level laboratory courses also required for the B.S. degree

Lab/Term/Year

May overlap with above requirements

Capstone sequence (6 credits)

Research Seminar (1 credit)

Taken during spring term of Junior year

Term/Year
 _____ **Biology 380** Research Seminar (1 credit)

Senior Seminar Courses (2 credits)

Term/Year
 _____ **Biology 490** Biology Seminar I (1 credit)
 _____ **Biology 492** Biology Seminar III (1 credit)

Senior Project (3 credits)

Term/Year
 _____ **Biology 495** Senior Project (3 credits)