

## Biology Major

### REQUIRED COURSES:

All majors planning graduate education should consider one course in logic plus one course in nonfiction or technical writing. Students will complete ten courses plus a capstone as follows:

#### Core Organismal Course

- BIOL 110 Principles of Biology I w/lab

#### Core Molecular Course

- BIOL 111 Principles of Biology I w/lab

#### Cellular/Molecular Emphasis (Choose at least one)

- BIOL 251 Microbiology w/lab
- BIOL 255 Biological Neuroscience
- BIOL 285 Developmental Biology w/lab
- BIOL 334 Cellular Biology

#### Ecological Emphasis (Choose at least one)

- BIOL 243 Field Botany w/lab
- BIOL 245 General Entomology w/lab
- BIOL 253 Principles of Ecology w/lab
- BIOL 276 Behavioral Ecology
- BIOL 350 Mammalogy w/lab
- BIOL 358 Freshwater Ecology w/lab

#### Structural/Functional Emphasis (Choose at least one)

- BIOL 225 Human Physiology w/lab
- BIOL 235 Embryology w/lab

### Electives in Biology (Choose two courses)

- Any combination of 200 and 300-level biology courses, to include at least one 300-level course. However, no more than one course taken in directed study, independent research or May Terms can be counted toward the biology major.

### Required Chemistry Courses:

- CHEM 101 Bonds and Structures I w/lab
- CHEM 201 Organic Chemistry I w/lab

### Required Physics Courses (Choose one)

- PHYS 151 Principles of Physics I w/lab
- PHYS 191 General Physics I w/lab

### Capstone (Choose one)

- BIOL 372 Environmental Capstone
- BIOL 373 Physiology Seminar
- BIOL 374 Cellular/Molecular Seminar
- BIOL 398 Independent Research (Requires Dept Chair Approval)

### Highly Recommended:

A course in statistics is recommended for students planning to attend professional or graduate school. All majors planning graduate education should consider one course in logic plus one course in nonfiction or technical writing.

## Biology Minor

### REQUIRED COURSES:

#### Choose one of the following:

- BIOL 110 Principles of Biology I w/lab
- BIOL 111 Principles of Biology II w/lab

#### Choose one of the following:

- BIOL 110 Principles of Biology I w/lab
- BIOL 111 Principles of Biology II w/lab
- BIOL 103 Environmental Issues w/lab
- BIOL 104 Human Biology w/lab
- BIOL 145 Introductory Plant Biology w/lab

#### Choose three or more courses from within the following guidelines:

- 200 or 300-level biology courses (two of which may not be used also for environmental science or physical education majors) to include at least one 300-level course and no more than one May Term in biology taken for a letter grade. At least one of these courses must be a laboratory course.