

# Biology Major

## Bachelor of Arts

## Bachelor of Science

The number of courses required for the major is the equivalent of 15 courses of 3-4 semester hours (59-66 semester hours); at least 6 of these courses (18 semester hours) are at the 300-level or above.

### Requirements:

#### All of the following (38-40 sem. hrs.)

- BCS 290/390 Internship in the B&CS (2-4 sem. hrs.)
- BCS 403 Senior Seminar in the Biological and Chemical Sciences (4 sem. hrs.)
- BIOL 214L Anatomy and Physiology I (4 sem. hrs.)
- BIOL 119L Ecology and Evolution (4 sem. hrs.)
- BIOL 130L Biology of Organisms (4 sem. hrs.)
- BIOL 226L Genetics (4 sem. hrs.)
- CHEM 107L General Chemistry (4 sem. hrs.)
- CHEM 108L Chemical Analysis (4 sem. hrs.)
- CHEM 213L Organic Chemistry I (4 sem. hrs.)
- CHEM 214L Organic Chemistry II (4 sem. hrs.)

#### One of the following (3-4 sem. hrs.)

- MATH 111 Calculus I: Introduction to Calculus (4 sem. hrs.)
- MATH 151 Elementary Statistics (3 sem. hrs.)
- MATH 251 Mathematical Statistics (3 sem. hrs.)

#### One course from each of the following groups (9-11 sem. hrs.)

##### PHYSIOLOGICAL AND DEVELOPMENTAL BIOLOGY

- BIOL 304L Vertebrate Zoology (4 sem. hrs.)
- BIOL 330L Anatomy and Physiology II (4 sem. hrs.)
- BIOL 331 Developmental Biology (3 sem. hrs.)

##### MOLECULAR AND CELLULAR BIOLOGY

- BIOL 309 Cellular Biology (3 sem. hrs.)
- BIOL 310L Microbiology (4 sem. hrs.)
- BIOL 312L Molecular Biology (4 sem. hrs.)

##### ECOLOGICAL AND BEHAVIORAL BIOLOGY

- BIOL 305 Plant Diversity & Evolution (3 sem. hrs.)
- BIOL 363 Advanced Ecology (3 sem. hrs.)
- ENVR 340 Sustainable Agriculture (3 sem. hrs.)

#### Two additional 300-level courses in biology (6-8 sem. hrs.)

- \_\_\_\_\_
- \_\_\_\_\_



Wells College

Name: \_\_\_\_\_

Advisor: \_\_\_\_\_

Graduation Year: \_\_\_\_\_

## What can I do with this major?

See below for examples of what you can do with a Biology major after graduation!  
For more information, see the full results at <http://whatcanidowiththismajor.com/major/>

### Healthcare

- Medicine
- Dentistry
- Infectious Diseases
- Chiropractic
- Pharmacy
- Veterinary Medicine
- Occupational Therapy
- Physical Therapy
- Medical Technology

### Biomedical Sciences

- Biophysics
- Biochemistry
- Cellular and Molecular Biology
- Genetics
- Immunology
- Pathology
- Pharmacology
- Physiology
- Virology

### Research and Development

- Basic
- Applied
- Quality Control
- Administration
- Grant Writing

### Biotechnology

- Medicine
- Agriculture
- Food Science
- Biological Engineering
- Bioremediation
- Environmental Protection/  
Regulation
- Bioinformatics