

# Biology (BA)

## Bachelor of Arts

### Description

The Bachelor of Arts (BA) in Biology program delves into cell structure, organism function, and behavioral patterns across populations and ecosystems. Through immersive courses, hands-on activities, and laboratory experiences, students cultivate a deep understanding of biological sciences. This program fosters independent thinking and problem-solving skills essential for diverse career paths. Students can enjoy the flexibility to tailor their education with elective courses that cater to their interests, offering a comprehensive foundation in the biological sciences for aspiring professionals and researchers alike.

### Admissions Requirements

- A high school diploma or GED
- Credentials earned outside of the US must be evaluated by an approved agency
- GPA of 2.0 or higher
- Official transcripts from all previously attended institutions
- Completed application with Carolina University

### Graduation Requirements

- Shall have maintained a minimum cumulative GPA of 2.0;
- Shall have passed all courses in the curriculum and made a C- or better in professional core courses;
- Shall have completed at least 24 of the final 30 hours with Carolina University.

### Courses

#### General Education Core (36 Credit Hours) - must include the following:

##### [GC 111 - Mathematics I](#)

3 Credit Hours

#### Professional Core (40 Credit Hours)

##### [BG 110 - Biology I](#)

3 Credit Hours

##### [BG 210 - Biology II](#)

3 Credit Hours

##### [BG 220 - Genetics](#)

3 Credit Hours

##### [BG 230 - Developmental Biology](#)

3 Credit Hours

##### [BG 250 - Zoology](#)

3 Credit Hours

[BG 310 - Microbiology with Lab](#)

4 Credit Hours

[BG 320 - Introduction to Cell Biology](#)

3 Credit Hours

[BG 330 - Introduction to Molecular Biology](#)

3 Credit Hours

[BG 340 - Ecology](#)

3 Credit Hours

[BG 410 - Immunology](#)

3 Credit Hours

[GC 112 - Mathematics II](#)

3 Credit Hours

[GC 205 - Calculus I](#)

3 Credit Hours

[MG 210 - Introduction to Statistics](#)

3 Credit Hours

### **Professional Electives (15 Credit Hours)**

### **6 Credit Hours must be 400-level or higher**

[BG 240 - Plant Biology w/Lab](#)

4 Credit Hours

[BG 350 - Human Genetics](#)

3 Credit Hours

[BG 360 - Human Biology](#)

3 Credit Hours

[BG 415 - Neurobiology I](#)

3 Credit Hours

[BG 420 - Biochemistry](#)

3 Credit Hours

[BG 430 - Neurobiology II](#)

3 Credit Hours

[BG 440 - Seminar in Biology](#)

1 Credit Hour

[BG 450 - Anatomy of Vertebrates](#)

3 Credit Hours

[BG 460 - General Physiology w/Lab](#)

4 Credit Hours

[BG 470 - Lab methods in Molecular Biology](#)

4 Credit Hours

[BG 480 - Research Statistical Methods for Biological Sciences](#)

3 Credit Hours

[CH 110 - General Chemistry I w/Lab](#)

4 Credit Hours

[CH 115 - General Chemistry II w/Lab](#)

4 Credit Hours

[CH 210 - Organic Chemistry w/Lab](#)

4 Credit Hours

PH 310 - Public Health Biology

3 Credit Hours

PH 315 - Public Health Biology II

3 Credit Hours

PY 210 - General Physics I w/Lab

4 Credit Hours

PY 215 - General Physics II w/Lab

4 Credit Hours

**Free Electives (29 Credit Hours)**