Biology (BA)

Bachelor of Arts

Description

The Biology program at Carolina University focuses on foundational studies of the structure, function, behavior and evolution of cells, organisms, populations and ecosystems. Through challenging and engaging courses, fieldwork and lab opportunities, our students will develop a foundation for broad and diverse career options in the biological sciences and related fields.

The Bachelor of Science and Bachelor of Arts in Biology provide rigorous education and basic research skills for a diverse undergraduate student population. Through this program, students will develop into independent thinkers, problem solvers and valuable members of society. These programs provide training in biology at multiple levels and provide flexibility, providing students with the opportunity to choose a curriculum that best suits their needs.

The BS Biology option emphasizes breadth of training in biology with stringent structure. Students have input in the composition of their degree by choosing from the wide range of electives available through the School of Arts and Sciences.

The BA Biology degree is designed for students who desire a breadth of training throughout their program of study. Compared to the BS degree, the BA requires less physics, chemistry, and biology requirements. This is an ideal program for students wishing to get the scope of the biological sciences without some of the supporting science sequences, providing them with more room to take elective courses either within or outside of the biology program.

Admissions Requirements

- A high school diploma or GED
- GPA of 2.0 or higher
- Official transcripts from all previously attended schools
- Completed application with Carolina University

Graduation Requirements

In order to become a candidate for graduation a student:

1. Shall have completed a minimum of 30 credit hours at CU;
2. Shall have maintained a minimum academic average of C (higher for some programs);
3. Shall have passed all courses in his/her curriculum and made a C or better in key courses designated as essential in each program;
4. Shall have completed at least 24 of the final 30 hours with Carolina University.

Courses

General Education Core (46 Credits)	46 Credit Hours
GC 112 - Mathematics II	3 Credit Hours
GC 205 - Calculus I	3 Credit Hours
GC 206 - Calculus II	3 Credit Hours
MG 210 - Introduction to Statistics	3 Credit Hours
PY 210 - General Physics I with Lab	4 Credit Hours
PY 215 - General Physics II w/Lab	4 Credit Hours
CH 110 - General Chemistry I	4 Credit Hours
CH 115 - General Chemistry IIw/Lab	4 Credit Hours
Professional Core (29 Credit Hours)	
BG 110 - Biology I	3 Credit Hours
BG 210 - Biology II	3 Credit Hours
BG 220 - Genetics	3 Credit Hours
BG 250 - Zoology	3 Credit Hours
BG 310 - Microbiology	3 Credit Hours
BG 320 - Introduction to Cell Biology	3 Credit Hours
BG 330 - Introduction to MolecularBiology	3 Credit Hours
BG 340 - Evolution & Ecology	3 Credit Hours
BG 420 - Biochemistry	3 Credit Hours
BG 440 - Seminar in Biology	1 Credit Hour
Electives (Choose 9 Credit Hours; must be 400-level and 4 additional credits (1 course) from lab courses)	

BG 410 - Immunology	3 Credit Hours
BG 230 - Developmental Biology	3 Credit Hours
BG 450 - Anatomy of Vertebrates	3 Credit Hours
BG 460 - General Physiology w/Lab	4 Credit Hours
BG 240 - Plant Biology with Lab	4 Credit Hours
BG 415 - Neurobiology I	3 Credit Hours
BG 430 - Neurobiology II	3 Credit Hours
BG 350 - Human Genetics	3 Credit Hours
BG 360 - Human Biology	3 Credit Hours
PH 310 - Public Health Biology	3 Credit Hours
PH 315 - Public Health Biology II	3 Credit Hours
BG 470 - Lab methods in MolecularBiology	4 Credit Hours
BG 480 - Research Statistical Methodsfor Biological Sciences	3 Credit Hours
Free Electives	32 Credit Hours