

# BIOLOGY (BIOL)

---

## **BIOL 101 - Biological Principles I (3 Credits)**

Introductory survey of macromolecules, cell structure and function, genetics, and molecular biology.

**Carolina Core:** SCI

## **BIOL 101L - Biological Principles I Laboratory (1 Credit)**

(Recommended concurrent with BIOL 101). Experimental examination of basic principles of cell biology, genetics and metabolism. Three hours per week.

**Carolina Core:** SCI

## **BIOL 102 - Biological Principles II (3 Credits)**

Introductory survey of plant and animal development, physiology, ecology, and evolution. Three lecture hours per week.

**Prerequisites:** C or better in BIOL 101.

**Corequisite:** BIOL 102L.

**Carolina Core:** SCI

## **BIOL 102L - Biological Principles II Laboratory (1 Credit)**

Experimental examination of structure and function of plant and animal systems, biodiversity, ecology. BIOL 101, 102, 101L and 102L must be completed prior to enrolling in 300-level or above Biology courses.

**Prerequisites:** C or better in BIOL 101 and BIOL 101L; recommended concurrent with BIOL 102.

**Carolina Core:** SCI

## **BIOL 110 - General Biology (4 Credits)**

Basic biological concepts and issues for non-biology majors. Credit may not be given for both this course and BIOL 120. Three lecture, two laboratory hours per week.

**Carolina Core:** SCI

## **BIOL 110A - General Biology (Audio-Tutorial) (1 Credit)**

Addendum to BIOL 110.

## **BIOL 120 - Human Biology (3 Credits)**

Fundamental principles of human biology. Credit may not be given for both BIOL 110 and BIOL 120. Three lecture hours per week. Not for major credit.

**Carolina Core:** SCI

## **BIOL 120L - Laboratory in Human Biology (1 Credit)**

Exercises dealing with basic concepts of human biology. Not for major credit.

**Prerequisite or Corequisite:** BIOL 120.

**Carolina Core:** SCI

## **BIOL 243 - Human Anatomy and Physiology I (3 Credits)**

Functional anatomy and physiology of the human body, including the integumentary, skeletal, muscular, and nervous systems. Not available for biology major credit. Three lecture hours per week.

**Carolina Core:** SCI

## **BIOL 243L - Human Anatomy and Physiology Laboratory (1 Credit)**

The principles of anatomy and physiology as demonstrated by microscopic studies, animal dissection, and physiological experiments. One three-hour laboratory per week.

**Prerequisite or Corequisite:** BIOL 243.

**Carolina Core:** SCI

## **BIOL 244 - Human Anatomy and Physiology II (3 Credits)**

Functional anatomy and physiology of the human body, including the cardiovascular, endocrine, excretory, reproductive, digestive, and respiratory systems. Not available for biology major credit. Three lecture hours per week.

**Prerequisites:** BIOL 243.

**Carolina Core:** SCI

## **BIOL 244L - Human Anatomy and Physiology Laboratory (1 Credit)**

A continuation of BIOL 243L. One three-hour laboratory per week.

**Corequisite:** BIOL 244

**Carolina Core:** SCI

## **BIOL 250 - Microbiology (3 Credits)**

An introduction to bacteria and viruses, emphasizing structure, metabolism, and pathogenesis. Discussion of infectious diseases, antigen-antibody relationships, and anti-microbial agents in chemotherapy. Not available for biology major credit. Three lecture hours per week.

**Prerequisites:** College-level Biology and Chemistry.

**Corequisite:** BIOL 250L.

## **BIOL 250L - Microbiology Laboratory (1 Credit)**

Not available for biology major credit. Three hours per week.

**Prerequisite or Corequisite:** BIOL 250.

## **BIOL 270 - Introduction to Environmental Biology (3 Credits)**

Basic ecological principles and the impacts of human population growth and technology. Not for major credit.

**Carolina Core:** SCI

## **BIOL 270L - Introduction to Environmental Biology Laboratory (1 Credit)**

Demonstrations, data analyses, discussions, and films relating to human ecology, resource use, and environmental impact. Not for major credit. Two hours per week.

**Prerequisite or Corequisite:** BIOL 270.

**Carolina Core:** SCI