

BIOLOGY

Biology is a rapidly expanding, widely diverse discipline, embracing all aspects of life.



INTERNSHIPS

Nick Peterson '20 is a biology major who recently completed an internship at the University of Iowa Carver College of Medicine. He had the unique experience of examining *Drosophila* (fruit flies) to study gene mutations found in patients with muscular dystrophy and lipodystrophy.

STUDY ABROAD

Nicole Nelson '19 is majoring in both biology and Spanish, so it was natural for her to spend fall 2018 in Madrid, Spain, where she took classes at St. Louis University, she volunteered with an organization for adults who have intellectual and developmental disabilities. "Studying abroad was one of the best decisions I have ever made! It pushed me to not only speak in another language, but to think about and see things from the viewpoints of others," Nicole says.

CLUBS

The Biology Club participates in a wide range of activities, including a plant sale from which they donate the profits, hiking in a local state park, and educating the campus community through fun, hands-on activities.

Students in the Hippo Society invite local health professionals to campus to talk about their educational and career pathways.

YOU WILL EXPERIENCE:

- Working one-on-one with a Ph.D. biology faculty member to learn proper use of lab equipment, technology, and materials appropriate to the discipline.
- Actively engaging in investigation to solve authentic problems and challenges.
- Developing scientific skills, including hypothesis formation, critical reading of scientific literature, and communication.
- Developing an awareness of ethical issues in the life sciences.

As a biology major, you may design your own experiments from the introductory course through your senior capstone course, using appropriate equipment and techniques in the biology laboratories. Majoring in Biology prepares students to pursue a career in research, teaching, or the allied health sciences. It is also relevant to careers as diverse as environmental policy, law, public health, creative writing, and textbook development.

FACILITIES

Clarke's 46,000-square-foot, three-story science building, the Marie Miske Center for Science Inquiry, provides flexible and modern spaces designed to seamlessly integrate lecture and laboratory. Clarke offers a 10-table gross anatomy laboratory. This many cadavers in the lab increases the probability of finding the results of interesting surgical procedures and observing anomalies, which enhance learning. The greenhouse at Clarke is fully automated to consistently water plants and shade them on sunny days. This makes it easier to maintain a diverse array of plants for teaching and research.



1 ON 1

Work one-on-one with faculty on an undergraduate research project — an important criterion for entering graduate school.



21%

Percent increase in the number of jobs for biologists from 2008 to 2018, according to the U.S. Bureau of Labor Statistics.



\$76,690

The median yearly wage earned by general biologists, according to the U.S. Bureau of Labor Statistics.

ADMISSIONS OFFICE
(563)588-6316
admissions@clarke.edu



COOL CLASSES

FUNDAMENTALS OF CELL BIOLOGY AND GENETICS — Unifying concepts of biology, including cell structure and function, metabolism, and genetics.

SUBTROPICAL ECOLOGY — Travel to Florida for two weeks to study the subtropical ecosystems including the ocean.

HUMAN GROSS ANATOMY — Utilizing dissection as the major learning method, the fascinating and complex regions of the human body are studied.

PRETTY SWEET JOBS

Career options for Clarke biology graduates include:
(some require professional or graduate training)

- Professional biologist with graduate training
- Teaching or performing research in an academic setting
- Clinical or industrial laboratory technician
- Natural resource management
- Various health professions including the following areas:
 - Medicine
 - Dentistry
 - Veterinary Medicine
 - Physical Therapy
 - Pharmacy



LEARN MORE!
clarke.edu/academics/biology