# BIOLOGY

The Department of Biology offers BS degree programs in biology, physiology, plant biology, and zoology.

The undergraduate degree in biology is appropriate for students wanting to obtain a broad background in the life sciences. Students complete coursework in animal, plant and microbial biology, genetics, ecology, physiology, and evolution. This degree meets the requirements for admission to graduate and professional schools and also prepares students for a broad range of biology-related employment opportunities. Students can also select an option in allied health, environmental biology, pre-medical sciences, or secondary teacher certification.

The undergraduate degree in physiology offers specialized coursework as preparation for graduate school or a medically-related professional school. The bachelor's degree in physiology requires courses in biology, genetics, microbiology, comparative anatomy, biochemistry, physics, and chemistry. The mammalian physiology lecture and lab sequence provides a unique capstone experience. Students can also select an option in pre-medical sciences.

The undergraduate degree in plant biology gives students training in all aspects of plant biology, including cell and molecular biology, genetics, development, physiology, ecology, evolution, and systematics. The study of plant biology underlies the applied sciences such as agronomy, forestry, natural resource management, horticulture and plant pathology. Students completing this degree are prepared for continuing studies in graduate school and careers in health sciences and industry. Students can select an option in cell biology and molecular genetics, ecology and evolutionary biology, pre-forensics, pre-law environmental policy, or pre-pharmacy.

The undergraduate degree in zoology provides a thorough background in the biology of animals and prepares students for graduate school and many applied and professional careers, including veterinary medicine. The zoology degree requires courses in ecology, evolution, genetics, and vertebrate and invertebrate zoology. Students participate in unique research experiences and/or internships and develop a broad foundation in the related fields of chemistry, physics, and mathematics. Students can also select an option in ecology and conservation biology, pre-medical sciences, pre-veterinary science, or secondary teacher certification.