MASTER OF SCIENCE IN BIOLOGICAL SCIENCE

Studies in the Department of Biology's (https://www.biology.colostate.edu/) Master of Science in Biological Science (Plan A and Plan B) degree program span everything from molecules to ecosystems and involve the study of organisms across all domains of life. Topics are rooted in both basic and applied research. Students work and study at sites within Colorado, across the United States, and around the world. Some general areas of investigation include:

- anatomy/morphology
- behavior
- bioinformatics
- biological science education
- biotechnology
- cell biology
- conservation biology
- developmental biology
- disease biology
- ecology
- ecosystem science
- evolutionary biology
- genetics/genomics
- global change biology
- molecular biology
- neurobiology
- physiology
- systematics
- systems biology
- synthetic biology
- theoretical/mathematical biology

Learning Objectives

Successful students will:

1. Develop a broad background in the diverse fields that make up the biological sciences, and a deep scholarly and technical expertise in their specific field(s) of study.
2. Present to scientific audiences in the form of peer-reviewed scientific papers, poster presentations, and/or oral conference presentations to refine their oral and written communication skills.
3. Develop effective mentoring and teaching skills to communicate content in the biological sciences to students at an undergraduate level.
4. Identify the skills and professional development opportunities necessary for them to succeed in one or more of the diverse career tracks available to individuals with training in the biological sciences.

Students interested in graduate work should refer to the Graduate and Professional Bulletin (http://catalog.colostate.edu/general-catalog/graduate-bulletin/) and the Department of Biology (https://www.biology.colostate.edu/graduate-students-2/).