

M.S. in Applied Biology

Applied Biology: Career Opportunities and Training

The scope of biological science is broad, and training in this field can lead to many diverse careers. Through SU's program, you will join a research laboratory and gain valuable experience and knowledge that will support further educational goals (e.g., Ph.D. or professional programs) or lead directly to employment. What can you expect from our program?

- Faculty with a broad range of research expertise and interests
- Student-centered faculty mentoring
- Opportunity to focus on a chosen field of interest, while developing broad expertise in modern biological concepts
- Extensive experience conducting science in the laboratory or the field
- Experience with scientific writing and presentation

About the Graduate Program

The M.S. in Applied Biology Program addresses the growing need for a technologically trained workforce with special skills in biotechnology and laboratory and environmental science. The curriculum emphasizes the development of skills in research and relates practical experiences to a strong background in theory. Thesis students work closely with faculty members to design original research projects and to work as independent scientists. The research interests of our faculty are broad, from microbiology and molecular genetics, to the natural history of plants and animals. Prospective thesis students should contact a potential faculty advisor prior to their application to the program to arrange for an interview.

Admissions

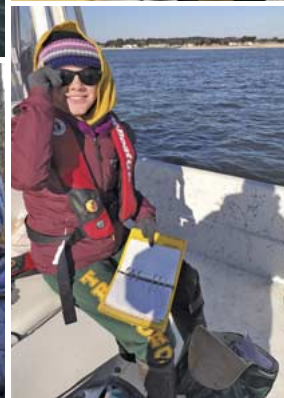
Formal applications for the M.S. program must be received by March 1 or October 1 for full consideration for admission into the fall or spring semesters, respectively. Qualified applicants must seek a graduate advisor in advance of the application process. Upon admittance to our program, students may gain support through teaching, graduate and research assistantships.

Admission is based on evaluation of:

- Undergraduate transcripts
- Letters of reference
- Personal statement
- Graduate Record Exam (GRE) scores (optional)

Selected Collaborations

- Delaware Department of Natural Resources and Environmental Control (DNREC)
- Institute for Genome Sciences, University of Maryland School of Medicine
- Auburn University, Delaware State University, University of Florida, Indiana University School of Medicine, Johns Hopkins University, Towson University, University of Notre Dame, University of Texas at Austin, University of Wisconsin-LaCrosse, Virginia Tech
- Horn Point Laboratory, University of Maryland Center for Environmental Science
- Field Museum, Chicago, IL
- Gulf Coast Research Laboratory, Ocean Springs, MS
- Maryland Department of the Environment (MDE)
- NOAA Center for Coastal Fisheries and Habitat Research, Beaufort, NC
- NASA, Wallops Flight Facility
- Smithsonian Tropical Research Institute
- Maryland Department of Natural Resources
- Center for Agricultural Biotechnology, UMCP
- Maryland Coastal Bay Program
- Vanderbilt Medical Center
- U.S. Fish and Wildlife Service
- Smithsonian Institute



FACULTY Chair

Professor F. Les Erickson, Ph.D.
(Molecular Biology)

Associate Chair

Elizabeth A.B. Emmert, Ph.D.
(Microbiology)

Professors

Ann M. Barse, Ph.D.
(Marine and Estuarine Parasitology)

Christopher H. Briand, Ph.D.
(Historical Ecology)

Mark. F. Frana, Ph.D.
(Microbiology and Microbial Source Tracking)

Kimberly L. Hunter, Ph.D.
(Population Genetics)

Dana L. Price, Ph.D.
(Ecology, Evolution and Behavior of Insects)

Ryan C. Taylor, Ph.D.
(Behavioral Ecology and Evolution)

Richard Wilkens, Ph.D.
(Plant Biology and Ecology)

E. Eugene Williams, Ph.D.
(Cell Biology and Physiology)

Associate Professors

Philip D. Anderson, Ph.D.
(Bioinformatics)

Christina Bradley, Ph.D.
(Estuarine Biology)

Jessica K. Clark, Ph.D.
(Developmental Biology)

Jeremy Corfield, Ph.D.
(Vertebrate Biology)

Patti T. Erickson, Ph.D.
(Cell Biology and Molecular Genetics)

Aaron S. Hogue, Ph.D.
(Evolutionary and Conservation Biology)

Eric Liebgold, Ph.D.
(Ecology and Evolution)

Victor A. Miriel, Ph.D.
(Cardiovascular Physiology and Pharmacology)

Jennifer Nyland, Ph.D.
(Immunology)

Assistant Professors

Noah Bressman, Ph.D.
(Fish Biomechanics and Behavior)

Michael S. Carter, Ph.D.
(Microbial Metabolic Pathways)

Xuan Chen, Ph.D.
(Ecology)

Angela Freeman, Ph.D.
(Behavioral endocrinology)

CONTACT INFORMATION

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www.salisbury.edu/biology/MS_Applied_Biology.html

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