Biology has long been recognized as basic to environment, agriculture, and medicine. Because the topics studied by biologists range from sub-cellular particles to global environmental concerns, and because of the variety of living organisms and the various ways of studying them, many specialties have developed. The BA program provides majors with the necessary background to pursue careers in the diverse areas of life science, including health care professions, and the many careers that provide the interface between science and society.

**Why UMD**

- Active learning environment
- Access to state-of-the-art instrumentation
- Focus on undergraduate teaching and research

**Acquired Skills**

- Comprehension - Students will know and be able to explain the basic definitions and core concepts in their respective field of study.
- Application - Students will be able to apply biology knowledge and techniques towards solutions to problems.
- Analysis - Students will be able to determine an appropriate method for research, collect data and carry out the research using techniques and equipment specific to their field.
- Communication - Students will be able to write about scientific ideas and present their ideas and findings to technical and non-technical audiences.

**Career Possibilities**

Biologists with a Bachelor’s degree often do laboratory or field-based work directly related to their undergraduate training. For example:

- Work in an academic or private industry research lab.
- Join a biology-based agency such as the state's department of natural resources or forestry service
- Get hired by federal agencies such as the U.S. Environmental Protection Agency or U.S. Department of Agriculture
- Do environmental assessments or wildlife surveys with a consulting firm

**Scholarships**

In addition to SCSE scholarships, our department has several scholarships including, the A. Jane Berry Warren Scholarship, Karim Pre-Veterinary Medicine Scholarship, Ernest and Tyyne niemu Scholarship, the T.O. Odlaug Scholarship, the Ed and Alma Turcotte Scholarship, the Mowbray Scholarship, the Jon McCabe Scholarship, the UMD Peterson Memorial Scholarship, and the Solidarity Through Science Scholarship.

**Student Clubs**

We have 2 biology clubs on campus. The Biology club allows students to interact socially and academically with peers and department faculty, contribute to service projects and fundraisers, take a break from your
studies, enjoy activities like picnics, camping trips, bowling excursions with faculty and intramural sports, Ask questions about biology classes or faculty, Share feedback and get information from departmental administrators.

The Entomology club is open to anyone that is interested in insects. Students meet to discuss and explore various topics in entomology through scientific articles, field outings, and by sharing personal experiences (insects gathered, photographed, witnessed, etc.). Members also volunteer with U of M Extension Service to provide insect identification help and outreach activities for the public.

In addition to these clubs, some of our chemistry majors are involved in pre-professional clubs such as the following: Pre-Dentistry Club, Pre-Medicine Club (Pre-Med Club), Pre Optometry Club, Pre-OT Club, Pre-Pharmacy Club, Pre-Physical Therapy (Pre PT), Pre-Physician Assistant Club (Pre-PA Club), Pre-Veterinary Medicine Club.

Graduate Report

Recent UMD Graduates Job Placement Data & Employers

Here's a sampling of positions Biology grads have attained six months to one year after graduation.

- Research Associate - DuPont Pioneer, Janesville, WI
- Mushroom Farmer - Fungi Perfecti, Olympia, WA
- Zookeeper - Lake Superior Zoo, Duluth, MN
- Sales Support Specialist - Medtronic, Minneapolis, MN
- Inside Sales & Project Manager - Seacole Specialty Chemical, Plymouth, MN
- Biological Sciences - Graduate School, University of Southern Mississippi, Hattiesburg
- Clinical Mental Health Counseling - Graduate School, University of St. Thomas, St. Paul, MN
- Physician Assistant Studies - Graduate School, Pacific University, Hillsboro, OR

For more data see the Biology Graduate Follow-Up Report [5].

For ideas about Biology and other majors visit Career & Internship Services [6].