

## Biology

### At UW-Eau Claire

Biology is the science of life. It includes an array of subdisciplines such as botany, ecology, evolution, genetics, microbiology and molecular biology, and zoology. Biological and biotechnology expertise is a vital component of the solutions to many problems facing our civilization from human health and disease to loss of biodiversity and environmental quality.

### Hands-on labs

As one of the largest majors on campus, the Biology department spans three floors of Phillips Science Hall. Departmental facilities include 16 teaching laboratories, numerous research labs, three modern greenhouses, an animal care facility, the James Newman Clark Bird Museum and shared access to transmission and scanning electron microscopes and a Geographic Information System lab.

### Field study — near and far

The local region is great for field studies due to its proximity to lakes, streams, forests and wildlife areas. Adjacent to the Chippewa River and campus is Putnam Park, a 200-acre scientific natural area. The department is also associated with Beaver Creek Reserve in Eau Claire County, the Gulf Coast Research Laboratory (Ocean Springs, Mississippi) and the Gerace Research Centre (Bahamas), as well as offers regular course-based trips to Costa Rica, the Charles Darwin Research Station in the Galapagos, rural Ecuador and the Boundary Waters Canoe Area.

For students interested in the human health professions and medical research, it is important to note that Eau Claire is home to several major clinics and hospitals including Sacred Heart

and Mayo Clinic Health System, and smaller health care facilities such as the Chippewa Valley Free Clinic.

### Get published

The department prides itself in its faculty-undergraduate student collaborative research program. Students engage in cutting edge research with faculty in the lab and/or field. Students work



on projects across the state, country or international conduct independent studies, co-author publications and present results at professional scientific meetings.

### Well educated

UW-Eau Claire is top-ranked nationally as a comprehensive university among comparable university undergraduate biology programs for producing future female Ph.D.s.

### Going Pre-Professional

The Biology major is an excellent foundation for students planning to attend medical, dental, veterinary, chiropractic, optometry, physical/occupational therapy and physician's assistant schools.

*"The Biology lab experiences in classes and student-faculty research make my education more dynamic and teach me valuable skills for use in real-life. The more biology courses I take here at UWEC, the more excited I am about the possibilities after I graduate."*

— Cynthia

### Our graduates

Biology graduates go into a wide array of fields, becoming teachers, technicians, managers or planners for governmental agencies or environmental organizations, and health care professionals to name a few.

### Places you'll find recent graduates:

- *Clinical Technician-Cytogenetics*, Mayo Clinic in Rochester, MN
- *Environmental Scientist*, Cooper E. Engineering Co. in Rice Lake, WI
- *Genotyping Technician*, Marshfield Clinic in Marshfield, WI
- *Wildlife Biologist*, Department of Natural Resources in Balsam Lake, WI
- *Grad Work-Plant Systematics*, University of California Berkeley

### Majors

(requires a multidisciplinary minor or a minor offered by another department)  
Biology, Liberal Arts  
Biology, Teaching

### Comprehensive majors

(require no minor)  
Ecology and Environmental Biology  
Organismal Biology  
Microbiology  
Biochemistry and Molecular Biology

### Minors

Biology, general  
Multidisciplinary minors

- Environmental Science
- Marine Science
- Teaching

Pre-professional health science

### Suggested freshman curriculum

Foundations of Biology I & II  
Critical Reading and Writing  
General Chemistry  
Mathematics  
University writing requirement—depending on placement exam.  
For test-out options, see uwec.edu/Blugoldseminar/testout.  
General education electives

### Health Careers Center

To learn more about health careers, students can utilize the Health Careers Center, where they will find advising resources, workshop information, program materials and course information to help them prepare for a biomedical graduate programs or health professional programs.

The Power of

**AND**

What will your **AND** be?  
Be a Blugold and find out!

**BIOLOGY**

Phillips Hall 330, taylorwa@uwec.edu, Wil Taylor  
715-836-4166 • [www.uwec.edu/biology](http://www.uwec.edu/biology)

visit  
[www.uwec.edu/admissions](http://www.uwec.edu/admissions)

**note:**

### Broadfield Science Certification program

The teaching minor, when combined with a teaching major in chemistry, physics-mathematics, physical science or physics, leads to a 6-12 certification in middle/secondary education programs.