



Biology

Degree: Bachelor of Science in Biology

The Department of Biology and Environmental Science will prepare students majoring in Biology, Environmental Science, Environmental Studies, Health Science, and Biochemistry for the graduate programs and careers in the discipline of their choosing. You will have access to state-of-the-art laboratories and equipment for microbiology, anatomy cell biology, molecular biology and other fields. The program is housed in the Rickey Science Center, which also provides student-faculty research areas, several computer labs, a specialized GIS mapping facility, and student lounges.

Full Time Faculty:

Dr. Eric Fitch, Associate Professor

Dr. David Brown, Associate Professor

Dr. Jennifer Hancock, Assistant Professor

Dr. Katrina Lustofin, Assistant Professor

Dr. David McShaffrey, Professor, Chair

For more info: mcscaffd@marietta.edu

Dr. Steven Spilatro, McCoy Professor

Dr. Almuth Tschunko, Professor



Facilities:

The Rickey Science Center, a \$10 million dollar facility features laboratories equipped with the latest technology and instrumentation—everything from a modern cellular and molecular biology lab and student research lab to a networked Fourier-transform infrared spectrophotometer and gas chromatograph-mass spectrometer. The Barbara A. Beiser Field Station, located 7 miles from campus, has 77 acres of forest with 2,000 feet of river frontage.

Sample courses:

Modern Biology

Introductory Biology Laboratory I & II

Introduction to Cellular and Molecular Biology

Flowering Plants or Lower Plants

Integrative Biology, Evolution, Environmental Toxicology, or Ecology

Animal Behavior, Human Physiology, Animal Physiology or Zoology

Cell Biology, Developmental Biology or Genetics and Molecular Biology Lab

Toxicology, Human Anatomy (cadaver); Human Anatomy (comparative)

Internship or Tutorship

Biology Research Methods

Biology Road Trip (Costa Rica, New Mexico, Yellowstone, New England)



Honor Societies and Student Organizations:

Biology Club fosters interest and discussion about Biology. It organizes events and trips for its members to have fun and get to know each other. The club supports all biological pursuits tackled by its members.

Beta Beta Beta, national biological society, was founded in 1922. The Iota chapter, the sixth oldest of more than 250 active chapters, was installed at Marietta in 1926. Students selected for membership must have Junior status and meet the certain scholastic standards. The organization promotes sound scholarship, dissemination of scientific truth, and research.

Scholarship Opportunities:

The Eggleston-Ruby Prize is given at Commencement annually to the member of the graduating class whose field of interest is biology, and according to the judgment of the faculty of the department, has done the most meritorious work in biology.

<http://www.marietta.edu/~biol/>



The David F. Young Alumni Scholarship goes to a student chosen by the Department of Biology and the Office of Financial Aid, who has completed his or her junior year and demonstrates devotion and enthusiasm for the study of biology.

The Edward B. Ruby Scholarship is awarded to deserving students in biology who have completed a full year at Marietta.

The Alan C. Hall Memorial Fund provides scholarship help to upperclass students, preferably seniors, intending to study medicine.

The J. Robert McConnell and Abigail Welch McConnell Scholarship provides aid to qualified students, with a preference given to pre-medical students.

The Hal H. Lloyd Science Scholarship is awarded to science majors in the sophomore through senior classes who need financial assistance.

Internships:

To further enrich your education, you'll have the chance to work in research facilities, participate in the "rounds" program at Marietta Memorial Hospital, conduct field studies at local forests and streams, and perform hands-on research with faculty. You will have the opportunities to use the techniques and technologies that will enrich your education and prepare you for your future career.

Past Internships:

Marietta Memorial Hospital, Marietta, OH
 Doctors Urgent Care
 Family Care Clinic, Hinton, WV
 German Leprosy Hospital, India
 Sea World, Orlando, FL

Graduate Schools Attended by MC Biology Alums:

Marshall University School of Medicine
 Miami University, MS Zoology
 The Ohio State University, School of Dentistry
 Ohio University, School of Osteopathic Medicine
 Xavier University, MEd, Educational Administration
 Brown University, MS Environmental Science

Testimonial:

"I enjoy my life and my job immensely and it all began back at Marietta College! It was a memorable course in Ecology that convinced me to major in Biology. I am currently a Program Biologist for the Hawaii Undersea Research Laboratory at the University of Hawaii. I specialize in deepwater fish and invertebrates, and have had many adventures diving thousands of feet down in submersibles to incredible deepwater coral and sponge beds where many strange animals live. Thanks to Marietta for making my adventures possible!"

Christopher Kelley, Class of 1977



What can I do with these degrees?

Physician Assistant
 Environmental Scientist
 Teacher
 Physical Therapist
 Physician
 Attorney
 Bioinformatics specialist
 Forester

Career Outcomes of MC Graduates:

Operations Manager, Bristol Dental Group
 Senior Clinical Specialist, SatietyInc.
 Pharmaceutical Sales Representative, Omnicare
 Lab Quality Manager, AI Solutions

