Geology
Degree: Bachelor of Science in Geology

The Geology program is focused around three concentrations: Paleontology, Petroleum Geology, and Environmental Geology. The faculty at Marietta College is committed to providing Geology students with a rock solid education. This includes extensive field work in the Appalachian Mountains, the mid-Ohio valley, and the Ordovician of Cincinnati and Kentucky, as well as the opportunity to do specialized research in the classrooms. The department’s annual May field trip to a dinosaur excavation site in Utah is supplemented by optional field trips to other areas such as West Texas, New Mexico, and South Dakota. Students complete a senior capstone that is a research project modeled on a Master’s thesis.

Full-time faculty:
Dr. Robert Chase, Professor, Chair of the Department
E-mail: chaser@marietta.edu
Dr. David Jeffery, Associate Professor
Dr. Frederick Voner, Associate Professor
Dr. Tej Gautam, Assistant Professor
Wendy Bartlett, Lecturer
Veronica (Rocky) Freeman, Lecturer

Facilities:
The geology labs have everything you need for research, including thin-sectioning equipment, petrographic microscopes, and a dedicated space for cleaning and preparing dinosaur bones and materials for study. The technology and equipment for Geographic Information Systems (GIS) is housed in the Rickey Science Center, adjacent to the Brown Petroleum/Geology building.

Courses offered:
- Physical Geology
- Historical Geology
- Earth Resources
- Mineralogy and Petrology
- Geology Capstone
- Petrophysics
- General Chemistry I and II
- General Chem. Lab I and II
- Modern Biology
- Environmental Biology
- Introductory Biology Lab I and II
- General Physics I and II
- Calculus I
- Scientific Computing and Problem Solving
- Technical Writing
- Dinosaurs
- Intro to GIS Mapping and Analysis
- Demonstration Field Trip, Sedimentation and Stratigraphy
- Invertebrate Paleontology
- Petroleum Geology
- Formation Evaluation
- Hydrology
Honor Societies and Student Organizations:
The Geological Society of Marietta College promotes the study of geology by regularly sponsoring field trips. It is open to all students, faculty, and community members.

Majors are also able to join the Society of Petroleum Engineers (SPE). Through a vast array of SPE programs, ranging from publications to international and regional conferences, students gain information on the industry and the opportunity to network with industry professionals.

Scholarship Opportunities:
The Paul Fulton Memorial Scholarships are awarded annually to students majoring in petroleum engineering or geology and provide support for student research projects.

The Warren G. Steel/Dwayne D. Stone Scholarship provides financial assistance to geology majors demonstrating financial need.

Past Internships:
American Geological Institute (AGI), Washington, D.C.
NASA Johnson Space Center, Nasa Bay, Texas
National Resource Conservation Services (NRCS)
The Mammoth Site, Hot Springs, South Dakota
US Park Services, Badlands National Park, South Dakota

What can I do with this degree?
Field Geologist
Petroleum Geologist
Earthquake or Volcano Geophysicist
Environmental Analyst

Graduate/Professional Schools Attended by MC Graduates:
State University of New York at Stonybrook, Ph.D.
Clemson University, South Carolina, Ph.D.
East Carolina University, North Carolina, MS
Miami University of Ohio, MS
University of Cincinnati, MS
Bowling Green University, MS
Texas A&M University, MS, Ph.D.

Career Outcomes of MC Graduates:
Field Engineer, Baker Hughes, Dead Horse, Alaska
Principal, H2H Consulting Associates
Senior Geologist, British Petroleum
Petroleum Geologist, Triad Resources
Bone Bed Curator/Secondary Educator, The Mammoth Site, South Dakota
Division Manager, Environmental Consulting Division of Green Environmental, Inc.
Post-Doctoral researcher, Lawrence Livermore Laboratories, California

“I chose MC because it just felt like a good fit when I visited and it had a major I was interested in – petroleum engineering. Once I began my coursework, I quickly realized that petroleum engineering wasn’t for me. I had taken a couple of geology courses and found that I rather enjoyed it and was proficient at it. Obviously, this decision affected my career in that it gave me a means to actually have a career in earth sciences. I am now a geologist with Arcadia US and work primarily includes environmental assessment and remediation.”

Jay Read, Class of 2005