

# GEOLOGY AND ENVIRONMENTAL SCIENCE

Phillips 157

715-836-3732

Department Website (<https://www.uwec.edu/academics/college-arts-sciences/departments-programs/geology/>)

Geology and Environmental Science is the study of the earth and earth processes. Geologists work to solve environmental problems and supervise the exploration and development of earth resources. They are employed in the environmental industry, the mining industry, regulatory agencies such as the DNR and EPA, and as educators. Although many professions in geology require graduate school training, a bachelor's degree in geology allows career options in geology, environmental geology, and other professional fields such as resource law and engineering. The Geology Department provides a rigorous but flexible program, and stresses the importance of a broad science curriculum. A curriculum balancing field and laboratory experience is tailored to meet the needs of each individual. The geology major is flexible enough to allow individual students to customize their program. Examples of customized programs (to be designed working with an advisor) include Marine Geology, Geochemistry, and Geophysics.

## Honor Societies and Student Organizations

The Geology and Environmental Science Department offers one student organization. The Geology Club is open to all majors and minors. Geology and Environmental Science students participate in group activities through the club, organize the annual spring banquet, and participate in service activities. Please visit the department office for more information.

## Departmental Honors Program in Geology and Environmental Science

### Requirements:

1. Satisfactorily complete either: 1) one substantial faculty-student research collaboration in Geology and Environmental Science that results in a first-authored presentation at a regional, national, or international professional conference; or 2) a written paper containing original research that is supervised/sponsored by a faculty member in the Department of Geology and Environmental Science.
2. Maintain a 3.5 cumulative GPA and a 3.5 GPA in Geology courses.

### Satisfactory/Unsatisfactory Policy.

No degree credit may be earned under the Satisfactory/Unsatisfactory option in any required courses in a geology major or minor.

### Faculty

Scott K. Clark, Chair

Tadesse B. Alemu

Phillip D. Ihinger

Robert W.D. Lodge

Zachary P. Meyers

Kent M. Syverson

Sarah A. Vitale

### Majors

- Comprehensive Major: Geology, General Geology Emphasis, Liberal Arts - B.A./B.S. (<http://catalog.uwec.edu/undergraduate/arts-sciences/geology/>)

environmental-science/geology-comprehensive-major-general-geology-ba-bs/)

- Comprehensive Major: Geology, Hydrogeology and Water Chemistry Emphasis, Liberal Arts - B.A./B.S. (<http://catalog.uwec.edu/undergraduate/arts-sciences/geology-environmental-science/geology-comprehensive-major-hydrogeology-water-chemistry-ba-bs/>)
- Comprehensive Major: Geology, Environmental Science Emphasis, Liberal Arts - B.A./B.S. (<http://catalog.uwec.edu/undergraduate/arts-sciences/geology-environmental-science/geology-comprehensive-major-environmental-science-ba-bs/>)
- Comprehensive Major: Geology, Dual Degree Geological Engineering Emphasis, Liberal Arts - B.A./B.S. (<http://catalog.uwec.edu/undergraduate/arts-sciences/geology-environmental-science/geology-comprehensive-major-dual-degree-geological-engineering-ba-bs/>)
- Comprehensive Major: Science Teaching, Earth/Space Science Emphasis - B.S. (College of Health and Human Sciences Secondary Education Program) (<http://catalog.uwec.edu/undergraduate/arts-sciences/interdisciplinary/science-teaching-comprehensive-major-earth-space-science-t-bs/>)
- Major: Geology, Liberal Arts - B.A./B.S. (<http://catalog.uwec.edu/undergraduate/arts-sciences/geology-environmental-science/geology-major-ba-bs/>)

### Minors

- Minor: Geology, Liberal Arts (<http://catalog.uwec.edu/undergraduate/arts-sciences/geology-environmental-science/geology-minor/>)

### Certificates

- Certificate: Earth Resources (<http://catalog.uwec.edu/undergraduate/arts-sciences/interdisciplinary/earth-resources-certificate/>)
- Certificate: Responsible Mining (<http://catalog.uwec.edu/undergraduate/arts-sciences/interdisciplinary/responsible-mining-certificate/>)
- Certificate: Water Resources (<http://catalog.uwec.edu/undergraduate/arts-sciences/interdisciplinary/water-resources-certificate/>)