Bachelor of Science: Geology
A Real World Education

WAYNE STATE UNIVERSITY
COLLEGE OF LIBERAL ARTS AND SCIENCES
Bachelor of Science: Geology

Why?
As the population on Earth continues to grow, so does the demand for natural resources and the need to properly steward our environment. It is also critical that we find appropriate methods for disposing of society’s waste products.

Who?
Geology Majors
Environmental Science Students
Education Majors
A degree in Geology is a great choice for individuals who enjoy working outdoors, managing projects with large budgets, working with high-tech equipment, utilizing computers and software, solving complex puzzles to find new mineral / petroleum resources, addressing environmental issues, or gaining a greater understanding of the complex planet on which we live.

Curriculum

Core Courses
- Physical Geology
- Historical Geology
- Mineralogy
- Petrology
- Structural Geology
- Sedimentation + Stratigraphy
- Field Course

Electives
- Geomorphology
- Environmental Isotope Geochemistry
- Hydrogeology
- Transport and Fate of Contaminant
- Geochronology
- Soils and Soil Pollution
- Economic Geology
- Environmental Geochemistry
Provides Preparation for:

- Natural resource exploration
- Environmental consulting
- Regulatory compliance / Public policy
- Graduate school for advanced "professional" degrees or research careers
- Secondary school teachers (e.g. double major: Geology + Education)
- Law School (environmental; water resources; mining law)
- Pre-medicine (geomedicine)

Who hires Geologists?

- Energy companies (entry level)
- Mineral exploration and mining companies (entry level)
- Environmental consulting companies (entry level)
- Federal agencies (USGS, EPA, Corp of Engineers)
- State and local agencies (MDEQ, etc.)
- National parks
- Universities (research technicians)
- Secondary schools (teaching)

Sample Job Titles

- Petroleum Geologist
- Environmental Geologist
- Mineral Exploration Geologist
- Mine Geologist
- Engineering Geologist
- Park ranger / Guide
- Research Assistant
- Earth/Environmental Science Teacher

Check Us Out!

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