

GEOLOGY

WHAT IS GEOLOGY?

Geology is the study of the earth. Geologists study the materials that compose the solid earth, the physical and chemical processes that form it, the history of the earth and its contents, and the resources that it provides to humans. Majors at FHSU usually focus on petroleum geology, paleontology, or environmental geology.

Petroleum geology: the study of the formation and exploration of hydrocarbons (i.e., oil).

Paleontology: the study of fossils and prehistoric animals and plants

Environmental geology: using geologic principles to help solve environmental problems related to water resources, fossil fuels, agriculture, mining, natural hazards, etc.

RELATED CAREER TITLES

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|--------------------------|-----------------------|------------------------------|-------------------------------|
| Astronomer | Geomagnetist | Mining Geologist | Sedimentologist |
| Earth-Science Teacher | Geomorphologist | Museum Curator | Seismologist |
| Economic Geologist | Geophysicist | Naturalist | Soil Scientist |
| Energy Consultant | Geophysics Technician | Natural-Resource Manager | Stratigrapher |
| Engineering Geologist | Glacial Geologist | Oceanographer | Structural Geologist |
| Environmental Consultant | Hydrogeologist | Paleoclimatologist | Surveyor |
| Environmental Geologist | Hydrographer | Paleontologist | Technical Writer/Communicator |
| Environmental Lawyer* | Hydrologist | Park Ranger | Volcanologist |
| Exploration Geologist | Laboratory Technician | Petroleum Geologist | Waste-Management Specialist |
| Geochemist | Marine Adviser | Petrologist | Water-Resources Analyst |
| Geodynamicist | Materials Analyst | Planetary Geologist | Well-Logging Specialist |
| Geological Technician | Metallurgist | Pollution-Control Specialist | Well-site Geologist |
| Geologist | Mineralogist | Prospector | |

TRANSFERRABLE SKILLS

| | | |
|---------------------------------------|---------------------|--------------------------------|
| Analyzing, interpreting, & evaluating | Mapping & surveying | Spatial visualization skills |
| Computer skills | Problem solving | Teamwork |
| Critical thinking | Self-Management | Verbal & written communication |

Attainment and demonstration of [NACE Career Readiness Competencies](#) help prepare for a successful transition into the workplace.

CONTACT FOR ADDITIONAL INFORMATION

Department of Geosciences - Tomanek Hall 233 - 785.628.5389

RELATED CAREER EXPLORATION LINKS

Geology Job postings: <http://www.geosociety.org/links/careers.htm>

FHSU Geosciences Jobs, Internships and Career Opportunities:

<https://www.fhsu.edu/geo/students/opportunities>

FHSU Career Services: <http://www.fhsu.edu/carrer/>

Occupational Outlook Handbook: <http://www.bls.gov/ooh/>