

# 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 planet and its contents, and the resources 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

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

FHSU Geosciences Jobs, Internships and Career Opportunities:

[www.fhsu.edu/geo/students/opportunities](http://www.fhsu.edu/geo/students/opportunities)

FHSU Career Development Office: [www.fhsu.edu/career/](http://www.fhsu.edu/career/)

Occupational Outlook Handbook: [www.bls.gov/ooh/](http://www.bls.gov/ooh/)



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