



Geology

Degree: Bachelor of Science

Introduction

A geologist is someone who studies the Earth's physical makeup and history, finds essential resources that make civilization possible, provides an understanding of natural events such as earthquakes or volcanic eruptions which can affect our lives, and manages hazardous waste disposal and environmental cleanup. Geologists also provide basic information to society for solving problems, establishing policy for resource management, environmental protection, public health safety and welfare.

What are some desirable personal qualities?

- Adapt to different situations
- Work with a team
- Curiosity and an analytical mind
- Good problem-solving skills
- Love of the outdoors

What are some potential occupations?

Engineering Geologist
Environmental Geologist
Geochemist
Geochronologist
Geomorphologist
Geophysicist
Groundwater Geologist
Marine Geologist
Mine Geologist
Mineralogist
Paleontologist
Petroleum Geologist
Petrologist
Seismologist
Stratigrapher
Structural Geologist

What are some of the job tasks?

- Analyze lake sediment
- Analyze soil
- Collect rock and mineral samples
- Computer modeling of the physical process

Who hires?

- Colleges and Universities
- Engineering Consulting Firms
- Environmental Monitoring Firms
- Geotechnical Consulting Firms
- Hazardous Waste Cleanup Firms
- Mining Companies
- Bureau of Land Management
- Bureau of Mines
- Department of Agriculture
- Department of Defense
- Environmental Protection Agency
- National Forest Service
- National Science Foundation
- State Environmental Monitoring and Health Agencies
- State Geological Surveys
- US Geological Survey
- Urban Planning Commission

Additional information

Experience acquired through internships or cooperative education programs can prove valuable in obtaining full-time employment after graduation.

While productive professional employment is possible with a bachelor's degree, a master's degree is required or recommended by many employers. A doctoral degree is commonly required for research and development

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