OVERVIEW

A geoscientist interprets geophysical, geochemical and geological data to develop models of the earth’s subsurface with the aim of discovering commercially viable and exploitable reserves of natural resources, such as oil and gas. They provide the foundation for the exploration and production of natural resources and for the discovery, development and management of water supplies. They are also involved in the production of reserves and may provide specialist advice for engineering projects.

Geoscientists work in a variety of roles within the natural resources sector. Terms such as geophysicist, geochemist and sedimentologist are also used for specialist roles within geoscience.

RELATED CAREERS

Aerial Photographer  Grant Writer  Photogrammetrist
Architect  Groundwater Consultant  Planetary geologists
Astronomer  Hull Outfit Supervisor  Production Geologist
Atmospheric scientists  Hydrogeologists  Project Geologist
Cartographer  Hydrologists  Project Manager
Consultant  Industrial Hygienist  Radiation Safety Officer
Development Geologist  Interpretive Velocity Modeling Specialist  Science Technicians
Ecologist  Landsceaper  Science Writer
Economic Geologists  Limnologist  Sedimentologists
Engineering Geologists  Marine Advisor  Seismologist
Engineering Technician  Marine Consultant  Soil Scientist
Environmental Field Office Manager  Marine Engineer  Stratigraphers
Environmental Analyst  Marine Geologists  Structural geologists
Environmental Consultant  Marine Surveyor  Surveying Technicians
Environmental Engineer  Meteorologist  Surveyors
Environmental Geologists  Metallurgist  Teachers
Exploration Geologist  Metals Researcher  Technical Sales
Exploration Geophysicist  Mineralogists  Urban Planner
Geographer  Mine Geologist  Volcanologists
Geochemists  Mine Manager  Waste Disposal Specialist
Geological Consultant  Mine Safety Manager  Water Resource Program Manager
Geochronologists  Mining Engineer  Wetlands Manager
Geologist  Offshore Venture Team Leader
Geomorphologists  Oceanographer
Geophysicists  Paleoclimatologists
Geoscience Associate  Paleontologists
Geoscience Data Analyst  Petroleum geologists
Geoscience Product Advisor  Petroleum Engineer
Glacial geologists  Petrologists
Grant Administrator
MAJOR SKILLS

- Understand group dynamics
- Strong interpersonal skills
- Surveying and sampling
- Gather and organize data
- Examine data
- Clear communication (written/oral)
- Physical fitness
- Self-sufficiency
- Strong analytical skills
- Developed research skills

RELATED WEB SITES

Job Listings:
- Trinity’s online job database www.myinterface.com/trinity/student
- MonsterTRAK http://www.monstertrak.com
- Earthworks-jobs.com http://www.earthworks-jobs.com/

Professional Information:
- Environmental & Engineering Geosciences Journal www.aegweb.org
- Association for Women Geoscientists www.awg.org
- Association of Engineering Geologists in Texas www.aeg-tx.org
- National Association for Geoscience Teachers www.nagt.org
- American Association of Petroleum Geologists www.aapg.org
- Texas Association of Professional Geoscientists www.tapg.org

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