



STEM Careers

Geologist

Job Description: Geologists explore the Earth's evolution, structures, and the way its resources are used. They seek to better understand our planet, and to discover natural resources like water, minerals, and oil.

What do Geologists do?

- Analyze and interpret geological, geochemical, and geophysical information from sources such as survey data, well logs, bore holes, and aerial photos.
- Locate and estimate probable natural gas, oil, and mineral ore deposits and underground water resources.
- Place and conduct geological field studies and surveys, sample collection, or drilling and testing programs used to collect data for research.
- Measure characteristics of Earth, such as gravity and magnetic fields, using equipment such as seismographs, gravimeters, torsion balances, and magnetometers.
- Predict volcanic eruptions, giving people who are in its path time to evacuate.
- Discover new ways to extract oil, natural gas, and mineral ores from rocks.

Your Interests:

- Would you like to visit countries around the world?
- Do you like camping?
- Are you interested in volcanoes?
- Do you find it fun to play with maps and various devices?
- Do you like to collect rocks?

Outlook:

Average Salary - \$39.05 hourly, \$81,200 annually
Projected Job Openings - 15,400 over the next 10 years

Education/Program of Study:

- Bachelor's Degree in geology, geochemistry, geophysics, or a related science
- Master's Degree or Ph.D. for advanced geology
- Experience in the field is important
- Other career titles include mineralogist and petrologist

Sources:

O*NET Online

http://quest.arc.nasa.gov/people/cfs/generic/geologist_143.pdf

http://www.sciencebuddies.org/science-fair-projects/science-engineering-careers/Geo_geoscientist_c001.shtml?From=testb