

Geoscientist (19-4042.00)

At-a-Glance Statistics



Sample Job Titles

Engineering Geologist, Environmental Protection Geologist, Exploration Geologist, Geological Specialist, Geologist, Geophysicist, Geoscientist, Mine Geologist, Petroleum Geologist, Project Geologist

Key Tasks

- Advise construction firms or government agencies on dam or road construction, foundation design, land use, or resource management.
- Develop applied software for the analysis and interpretation of geological data.
- Determine methods to incorporate geomethane or methane hydrates into global energy production or evaluate the potential environmental impacts of such incorporation.
- Determine ways to mitigate the negative consequences of mineral dust dispersion.
- Develop strategies for more environmentally friendly resource extraction and reclamation.
- Identify new sources of platinum group elements for industrial applications, such as automotive fuel cells or pollution abatement systems.
- Identify possible sites for carbon sequestration projects.
- Research geomechanical or geochemical processes to be used in carbon sequestration projects.
- Research ways to reduce the ecological footprint of increasingly prevalent megacities.
- Review work plans to determine the effectiveness of activities for mitigating soil or groundwater contamination.
- Study historical climate change indicators found in locations such as ice sheets or rock formations to develop climate change models.

Education and Training



Bachelor's Degree

50%



Master's Degree

25%



Doctoral Degree

13%

Median Wages



Hourly

\$44.25



Annually

\$92,040

Top Industries



Mining, Quarrying, Oil, and Gas Extraction

Professional, Scientific, and Technical Services

Number Employed



31,000 positions

3,600 job openings

Top Ten States for Occupational Percentage Growth

