

## Geoscientists, Except Hydrologists and Geographers

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**Description:** Study the composition, structure, and other physical aspects of the Earth.

### Other Resources:

[ONET Link](#)

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**Sample of Reported Job Titles:** Engineering Geologist, Environmental Protection Geologist

### Job Zone

**Title:** 5 - Extensive Preparation Needed

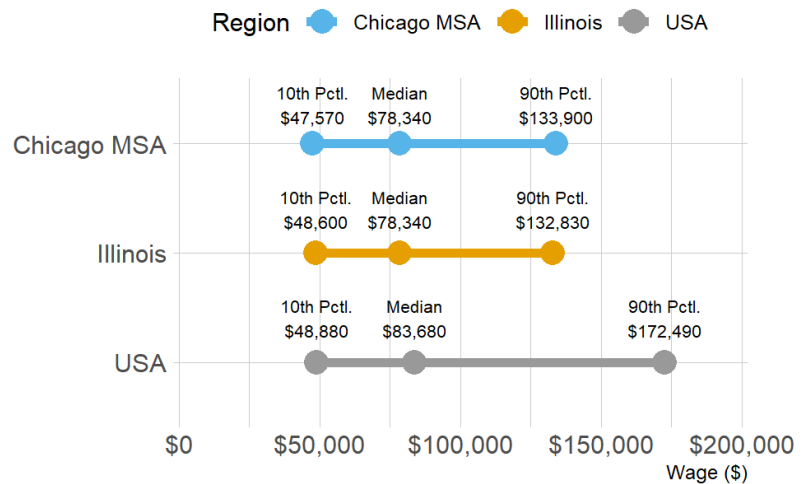
**Education:** Require graduate school.

**Experience:** Extensive skill, knowledge, and experience are needed for these occupations. Many require more than five years of experience.

**Training:** May need some on-the-job training, but most of these occupations assume that the person will already have the required skills, knowledge, work-related experience, and/or training.

**Hot Technologies:** Adobe Systems Adobe Acrobat, Adobe Systems Adobe Photoshop, Atoll GeoCAD, Autodesk AutoCAD, ESRI ArcGIS software, Evolution Computing EasyCAD

Region	Employment	Location Quotient	Median Wage
Chicago MSA	190	0.27	\$78,340
Illinois	320	0.34	\$78,340
USA	23,620	—	\$83,680



### Top 5 Core Tasks According to Current Job Holders

**Importance**  
**Frequency (out of 100)**

Plan or conduct geological, geochemical, or geophysical field studies or surveys, sample collection, or drilling and testing programs used to collect data for research or application.

More than yearly

89

Investigate the composition, structure, or history of the Earth's crust through the collection, examination, measurement, or classification of soils, minerals, rocks, or fossil remains.

More than monthly

88

Analyze and interpret geological data, using computer software.

Daily

88

Analyze and interpret geological, geochemical, or geophysical information from sources, such as survey data, well logs, bore holes, or aerial photos.

Daily

87

Prepare geological maps, cross-sectional diagrams, charts, or reports concerning mineral extraction, land use, or resource management, using results of fieldwork or laboratory research.

More than weekly

83