

GEOLOGIST

ABOUT THIS JOB

Geologists play a part in all aspects of mining exploration, discovery, evaluation and production cycles. In exploration, Geologists are responsible for finding new mineral sources that can potentially be mined. Geologists conduct subsurface surveys to identify the characteristics of potential land or mining development sites. Geologists may specify the ground support systems, processes and equipment for safe, economical and environmentally sound extraction. An individual seeking a career in this field should like doing research, compiling information, analyzing and interpreting data, earth science, writing and math. They should also enjoy working in the field, in the office and in laboratory settings.

GEOLOGISTS PERFORM THE FOLLOWING TASKS:

- Examine maps, deposits, drilling locations or mines to determine the location, size, accessibility, contents, value and potential profitability of deposits
- Select or develop mineral location, extraction and production methods based on factors such as safety, cost and deposit characteristics
- Prepare technical reports for use by miners, engineers and management personnel
- Monitor mine production rates to assess operational effectiveness

PREPARATION AND TRAINING FOR THIS POSITION

This position requires a high school diploma or GED and a bachelor's degree in geology or geological engineering from an accredited college or university. Some positions may also require a master's degree.

EDUCATION:

- * **HIGH SCHOOL DIPLOMA OR GED**
- * **BACHELOR'S DEGREE**

