

GEOLOGIST

Geologists play a pivotal role in daily mining output, support infrastructure planning and ensure that existing resources are developed in a sustainable manner. They are fascinated by rocks, rock formations, mountain building, plate tectonics, faults and earthquakes and have good physical endurance.

Job Description

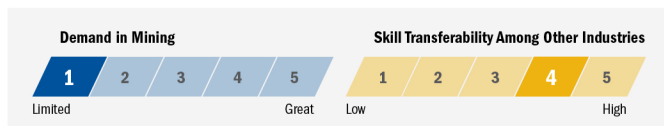
- Assist the in-pit/underground ore production, stockpiling and ore reporting
- Plan the grade control drilling program
- Accurate sampling of various drills
- Evaluate assay data quality
- Update grade control database, block model and design of the ore blocks
- Interact closely with mill operations, mine planning and mine operations
- Ensure all mine geology department activities are in compliance with health and safety policies and laws
- Supervise and develop Graduate Geologists and Mineral and Geological Technicians
- Conduct in-pit/underground geological mapping and data analysis for grade control modeling, acid rock drainage and geotechnical evaluation
- Participate with end of month grades and tonnes reconciliation
- Participate in daily safety meetings

Compensation



(Source: Canadian Mine Salaries, Wages & Benefits: 2018 Survey Results InfoMine USA, 2018).

Job Prospects



Why are People Attracted to this Career?

Geologists like the range of working environments, including fieldwork, office work and/or lab work. There are opportunities to learn and apply new techniques and technologies. Geologists are attracted by earth science, traveling, adventure and outdoor activities that keep them physically fit.

What is it Like to Work as a Geologist in Mining?

Note: conditions vary according to employer and region.

Geologists are based in an office, laboratory or a core-shack on (or near) the mine site, but will often be required to work and travel in remote locations. At times, they are required to work in challenging physical environments and seasonal environmental conditions. They are occasionally on-call and available to respond to a call on short notice. This career is centred around communication and teamwork. The work is fast-paced with daily opportunities to make decisions and to learn.

Success Profile

- ☒ Shares knowledge with colleagues
- ☒ Visualizes three-dimensional layouts
- ☒ Analytical
- ☒ Curious
- ☒ Embraces new techniques and technologies
- ☒ Understanding and respect for established safety procedures, regulations and legislation
- ☒ Patient, positive, flexible, adaptable and resilient
- ☒ Respectful, open-minded and works well in a team
- ☒ Strong communication, computer and problem-solving skills
- ☒ Strong interest in earth sciences and math
- ☒ Willing to learn

Job Entry Requirements

Note: The requirements listed below illustrate what it takes to start the career and do not take into account on-the-job training given to new employees.

Fixed Requirements

- Bachelor's degree in geology or earth sciences
- Eligible for registration as Geoscientist in Training
- Must be willing to pass a medical test
- Must be willing to pass a drug test
- Willingness to work in a diverse workplace
- Physically fit and mobile
- Proficiency in language of operation

May be Required

- Professional Registration, P. Geo.
- Wilderness survival training

Assets

- Master's degree in geology or earth sciences
- Willingness to relocate
- Other languages