



GEOSCIENCE PROFESSIONALS

There are currently approximately 3,500 Geoscience Professionals in Canada's oil and gas industry. They complete geological and geophysical work, and require an applied knowledge in geology, chemistry, physics and mathematics to locate, evaluate and economically develop and/or produce mineral, geothermal and oil and gas deposits; to investigate, measure and map seismic, gravitational, electrical, thermal and magnetic forces impacting the earth; and to study, analyze and interpret data relating to seismic forces and other earth processes.

How do I get there?

Requirements usually include a university undergraduate degree in geology or geophysics, and in some cases, physics or math. Most positions require a professional designation and provincial licensing varies.

Entry into these fields is usually at a junior or an associate level.

What would I do?

The top competencies for Geoscience Professionals include:

- ▶ Attention to detail
- ▶ Quality control analysis
- ▶ Computer use
- ▶ Critical thinking
- ▶ Complex problem solving

Career Progression

Advancements into supervisory or management roles, or higher technical specializations, come with experience. Career paths are primarily within each of the disciplines. Some specialized roles may require a combination of work experience and post-graduate training.



What careers could I have?

Careers in the geoscience professionals category of the petroleum industry include:

- › Geologist
- › Geophysicist
- › Petroleum Geochemist
- › Petroleum Geologist
- › Wellsite Geologist

EXPLORE OCCUPATIONS IN THIS CATEGORY



How can I find out more?

The following websites can provide additional information

- › Association of Professional Engineers and Geoscientists of Alberta (www.apega.ca)
- › Association of Professional Engineers and Geoscientists of British Columbia (www.apeg.bc.ca)
- › Association of Professional Engineers and Geoscientists of the Province of Manitoba (www.apegm.mb.ca)
- › Association of Professional Engineers and Geoscientists of the Province of New Brunswick (www.apegnb.com)
- › Professional Engineers and Geoscientists of Newfoundland and Labrador (www.pegnl.ca)
- › Northwest Territories and Nunavut Association of Professional Engineers & Geoscientists (www.napeg.nt.ca)
- › The Association of Professional Geoscientists of Nova Scotia (www.geoscientistsns.ca)
- › Association of Professional Geoscientists of Ontario (www.apgo.net)
- › Association of Professional Engineers and Geoscientists of the Province of Saskatchewan (www.apegs.sk.ca)

ADDITIONAL RESOURCES

Check out the Canadian Society of Petroleum Geologists www.cspg.org and the Canadian Society of Exploration Geophysicists www.cseg.ca for publications and events to learn more!

Visit careersinoilandgas.com to use our Career Explorer tool and find the job that suits you best!