What to do with a degree in

**GEOPHYSICS**

Geophysics is the application of the laws and techniques of physics to uncover knowledge about the earth’s dynamic processes and subsurface structure.

**Key Skills & Knowledge**

**Degree Specific:** Understanding of global geophysics, exploration geophysics, mining geophysics, physical properties of rocks, geophysics field methods, gravity and magnetics, seismic theory and methods, geophysical data processing and geophysical interpretation.

**Analytical and Mathematic:** Ability to analyze data and process information using the disciplines of mathematics, physics, statistics computer science and geology.

**Research and Surveying:** Compile and synthesize large quantities of data, compile data into reports and presentations, conduct surveys.

**Methods:** Familiar with specific forms of geophysics such as seismology, geomagnetism, gravity and geophysical data processing.

**Problem solving:** Solve complex problems, and think critically and logically about geophysical concepts and inquiries.

**Sample Job Titles**

Some of these roles may require further training, certification or education. Check out the Alberta Government’s occupational profiles for salary info and more detail: alis.alberta.ca/occinfo

- Consultant
- Earthquake Risk Assessor
- Environmental Analyst
- Environmental Health Specialist
- Geodesist
- Geodynamicist
- Geological and Geophysical Technologist
- Geological Survey Assistant
- Geologist
- Hydrologist
- Laboratory Technician
- Laboratory Technician
- Mineralogist
- Natural Hazard Monitoring Scientist
- Oceanographer
- Physicist
- Quality Assurance Assistant
- Research & Development Scientist
- Researcher/Research Assistant
- Seismologist
- Systems Analyst
- Teacher /Professor
- Technical Writer

**Need help deciding what to do?**

Formal Career Assessments like the Strong Interest Inventory and the Myers Briggs Type Indicator can be helpful tools for your career development. Request an assessment via CareerLink.
Associations provide an opportunity for continued professional development. Many also offer networking opportunities and other events for their members.

- Alberta Women's Science Network (AWSN) and Mentorship Program: awsn.org
- Association of Professional Engineers, Geoscientists of Alberta (APEGA): atega.com
- Calgary Mineral Exploration Group (MEG): megcalgary.com
- Canadian Association of Geographers: cag-acg.ca/en
- Canadian Council of Professional Geoscientists: geoscientistscanada.ca
- Canadian Geophysical Union (CGU): cgu-ugc.ca
- Canadian Federation of Earth Sciences: cffes-fcst.ca
- The Canadian Geotechnical Society: cgs.ca
- Canadian Society of Exploration Geophysicist (CSEG): cseg.ca
- Canadian Society of Petroleum Geologists (CPSG): cspg.org
- Geological Association of Canada: gac.ca
- Mineralogical Association of Canada (MAC): mineralogicalassociation.ca
- The Natural Sciences and Engineering Research Council of Canada (NSERC): nserc-crsng.gc.ca
- Palliser Club: palliserclub.com
- Prospectors and Developers Association of Canada: pdac.ca
- UCalgary Geophysics Mentorship Program: geoscience.ucalgary.ca/undergraduate/current_students/goph_mentorship
- UCalgary Geoscience Alumni Association: ucalgary.ca/geoalum

Potential Industries
- Climate Modeling
- Data Processing/Companies
- Engineering Geology
- Environmental Services/Consulting
- Geophysical Data Acquisition Companies
- Geological/Geophysical Surveying
- Government
- Hydrology
- Laboratory Organizations
- Land Reclamation
- Mining Companies
- Municipal Planning
- Departments
- Natural Resource Organizations
- Oceanography
- Oil & Gas Companies
- Post-Secondary Institutions
- Precious Metals
- Exploration
- Site Remediation
- Research organizations

Career Services
YOUR FUTURE STARTS HERE

- Career Planning
- Job Search Support
- Resume Reviews
- Career Workshops
- Online Job Postings
- Career Fairs
- Networking Events
- Information Sessions & much more!

Connect with us:
MacEwan Student Centre, Room 188
T: 403.220.8020
E: csstdnt@ucalgary.ca
CareerLink: ucalgary.ca/careers

Career Link: ucalgarycareers
@HireUCalgary

Job Boards

Indeed: https://ca.indeed.com/
Science Careers: jobs.sciencecareers.org/
Eco Canada: eco.ca
EarthWorks-Job: earthworks-jobs.com/
GeoSearch: geosearch.com
NewScientist: jobs.newscientist.com
LinkedIn: www.linkedin.com
careerLink: careerlink.ucalgary.ca

Additional Resources

Great Jobs for Geology Majors, Blythe Camenson
Career Opportunities in Science, Susan Echaore-McDavid
Careers for Nature Lovers and Other Outdoor Types, Louise Miller

Faculty Contact
Earth Science 118
T: 403.220.5184
E: geoscience@ucalgary.ca
W: geoscience.ucalgary.ca
W: ucalgary.ca/admissions/programs

Student Clubs
Rundle Group of Geology
ucalgary.ca/rundle/

Aligned Majors
Earth Sciences, Geography, Geology