

What Can I Do With A Degree In Earth Sciences?

Do you want to use your natural curiosity about the Earth to find, invent or create things that help people, improve our communities and better our environment? Do you want to work in Canada and abroad? Then a career in Earth Sciences may be for you. Geoscientists use their ingenuity and creativity to solve some of society's most challenging problems. With technical expertise and vision they create solutions to improve the world we live in. The Earth Sciences offer many different career paths.

Here are some careers that you could pursue with an Earth Sciences degree

Water & Environment

Volcanologist

Hydrogeologist

Engineering geologist

Environmental geologist

Glacial geologist

Marine geologist

Paleoecologist

Land use planner

Energy, Mining & Minerals

Exploration geologist

Mine geologist

Petroleum geologist

Geological consultant

Corporate manager

Mineralogist

Geochemist

Geophysicist

Education & Research

Teacher

University professor

Museum curator

Paleontologist

Planetary geologist

What Skills Do Earth Sciences Majors Have?

- Application of Math, Chemistry and Physics to world problems
- Excellent oral and written communications skills
- Strong computer skills
- Ability to conceptualize and solve problems using scientific methods
- Ability to design and complete complex projects
- Ability to use geological knowledge in international projects

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As an Earth Scientist you may work in

Environmental, geotechnical and industrial laboratories
 Educational institutions and government agencies (municipal, provincial and federal)
 Mining, petroleum, natural gas companies
 Laboratories, institutes and scientific research centres
 Energy sector, natural resources, transportation and public utilities management companies
 Non-profit organizations, consulting firms
 International aid organizations
 Parks and recreation organizations, travel and tourism agencies
 Water and waste treatment plants
 Land/resource analysis and management companies

Professional associations/memberships/affiliations related to Earth Sciences

Association of Professional Engineering and Geoscientists of BC (APEGBC)	www.apeg.bc.ca
Geological Association of Canada	www.gac.ca
Canadian Society of Exploration Geophysicists (CSEG)	www.cseg.ca
Mineralogical Association of Canada (MAC)	www.mineralogicalassociation.ca
Environmental Careers Organization	www.eco.ca
Earth Sciences Canada	www.earthsciencescanada.com
Geology.com	www.geology.com
Explore for More	www.acareerinmining.ca

Available campus resources

Work Integrated Learning	www.sfu.ca/wil
Career Services	www.sfu.ca/career
Brenda Badgero	778.782.5382 bbadgero@sfu.ca
Co-operative Education	www.sfu.ca/coop/sci
Paul de Grace	778-782-3115 degrace@sfu.ca
Volunteer Services	www.sfu.ca/volunteer
Department of Earth Sciences	www.sfu.ca/earthsciences
Derek J. Thorkelson	778.782.5390 dthorkel@sfu.ca
Faculty of Science	www.sfu.ca/science

This handout is intended to stimulate your curiosity on potential career titles, workplace settings and resources available. However, it is not to replace research, self awareness, or in-depth thought into your career planning process.

Visit: Career Cruising www.careercruising.com
 Username: sfucareer Password: explore
 Click on Careers tab at the top and search careers by alpha title, subject, cluster, or using the search box (i.e. Earth Sciences)

Visit: ChoicesExplorer www.bridges.ca
 Username: 0061399 Password: sfucareer

Career Services is your one-stop shop with workshops and individual career advising, to assist you with exploring career options, providing work search strategies, to practicing for an interview and much more. We can help!

Phone: 778-782-3106 Email: careers@sfu.ca