

GEOLOGY



One University. One World. Yours.

What is **Geology**?

A geologist seeks to understand the Earth and its physical, chemical and biological evolution. This knowledge is used to increase our understanding of Earth processes and to improve the quality of human life. They work as explorers for new mineral and hydrocarbon resources, consultants on engineering and environmental problems, researchers, teachers, writers, editors, and museum curators as well as in many other challenging positions. They often divide their time among work in the field, the laboratory, and the office.

Average Class Size: 20-30 (for upper level classes)

Length of Program: 3-4 years

Example Careers: Geologist, Marine Geoscience Technologist, Geochemist, Groundwater Technologist, Oil Sands Recovery Researcher, Volcanologist, Seismic Worker

For additional examples of which careers students have followed, visit

<http://www.smu.ca/administration/career/science.html>

Program Requirements

Grade 12 Students must have:

- Grade 12 English Academic
- Pre Calculus 12 or Calculus 12
- 2 Academic 12 Science courses
- 1 additional Academic 12 course
- A minimum average of 65% with no mark below a 60%

Your First Year

First year students must follow the basic Science requirements which allow you to explore subjects from Arts, Science and Commerce. These requirements help you develop important intellectual and academic skills. This will provide you with the solid foundation needed to begin your Science degree. Some courses you may take in your first year to help you prepare for Geology include:

**Intro to Geology- Earth Materials
GEOL 1214**

**Intro to Geology- Earth Processes
GEOL 1215**

University Physics I - PHYS 1100

General Chemistry I CHEM 1210



Being in an interdisciplinary degree allows students to choose their area of interest. Some areas of focus include:

- Mining Engineering
- Education
- Government
- Hydrology/Hydrogeology
- Environment
- Paleontology
- Science Publication
- Mining
- Oceanography
- Petroleum Geology

Please refer to our [Academic Calendar](#) for an inclusive list of courses, complete with course descriptions and detailed information about the program.

Life as a Geology Student at Saint Mary's University

At Saint Mary's, there are many options for students to get involved on campus. The **Geology Society** is the perfect opportunity for Geology students. The society acts as a resource and social centre for students who are interested in Geology. The perks of a geology student include the numerous conferences and conventions they attend. You can present your thesis topic, design a poster, attend presentations of interest, network and travel. Geology graduates have a high employment rate and have the option to work all over the world.

Contact Information

Department of Geology

<http://www.smu.ca/academic/science/geology/welcome.html>

tel: 902-420-5746

fax: 902-496-8268

email: geology@smu.ca

B. Sc. Undergraduate Programs Officer

tel: 902-420-5661

email: science@smu.ca

Recruitment Office

Saint Mary's University

923 Robie St.

Halifax, Nova Scotia

B3H 3C3

Canada

Tel: 902-496-8280

Fax: 902-420-5073

Email: Recruitment@smu.ca

www.smu.ca

