What is Geology? The discovery and development of water, mineral, and energy resources – and their sustainability – is a key part of it. But so is coping with climate change, the human impact on our world, and the natural hazards facing a growing global population. These all depend on a deep understanding of natural processes gained through the study of Geology.
GET THE COURSES YOU NEED

1ST YEAR
In first year you will have the chance to explore the foundations of Geology in biology, chemistry, geography and geology along with some electives. See the back page for specific courses to consider. Attend Majors Night in the Winter term to learn more about Plan options.

2ND YEAR
Start going deeper into the discipline of Geology, while considering a minor and/or certificate such as Employment Relations. Attend Degree+ in the Fall term to learn more about Certificates and Internship options.

3RD YEAR
A chance to start grouping courses in areas of interest, or to keep it more general and explore many areas of Geology. Meet with an Academic Advisor to make sure you are on track and have planned out your courses for next year — for some ideas, see the back page.

4TH OR FINAL YEAR
In fourth year you will have the chance to participate in research-based courses that can lead to Graduate School or to your future career path. Make sure to finish up all your courses for your major and your optional minor and/or certificate(s).

GET RELEVANT EXPERIENCE

Join teams or clubs on campus such as the Queen’s University Experimental Sustainability Team (QUEST) or the Queen’s Project on International Development (QPID).

GET CONNECTED WITH THE COMMUNITY
Volunteer on or off campus with different community organizations, such as the Earth Centre and Women in Science and Engineering.

GET THINKING GLOBALY
Prepare for work or studies in a multi-cultural environment by taking QUIC’s Intercultural Competency Certificate, and research possible immigration regulations. Speak to a QUIC advisor to get involved in their programs, events, and training opportunities.

GET READY FOR LIFE AFTER GRADUATION
Grappling with program decisions? Contact the Chair of Undergraduate studies in the Department of Geological Sciences and Geological Engineering. Get some help wondering about career options from Career Services.

What will I learn?

A degree in Geology can equip you with valuable and versatile skills, such as:
- Knowledge of principles and techniques of the earth sciences
- Practical applications of geological science techniques
- Understanding of the variability of earth materials and their changes with time and environment
- Fieldwork skills to design and carry out site investigations to solve problems
- Technical skills to use up-to-date geological analysis tools, equipment and software
- Research skills to conduct scientific research and analyze quantitative information, develop multiple working hypotheses
- Problem solving to approach a range of problems from various perspectives
- Ability to work independently and in a team on a project
- Oral and written communication to clearly explain technical information and write reports

Where can I go?

A degree in Geology can take your career in many directions. Many students choose to continue their academic inquiry with a Master’s. Our students are equipped with a strong foundation for careers in:
- Agricultural sciences
- Ecology
- Geomatics
- Landscape architecture
- Palaeontology
- Renewable energy
- Surveying and cartography
- Toxicology
- Water technology
- Water conservation

Taking time to explore career options, build experience and network can help you have a smooth transition to the world of work after graduation.