GEOLOGY
Specialization, Bachelor of Science (Honours)

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.

Sample Year by Year

1ST YEAR
- GEOL 104/3.0
- GEOL 107/3.0
- CHEM 112/3.0
- 60 units from MATH 120/6.0, MATH 121/6.0, MATH 123/3.0 and MATH 124/3.0
- 60 units from PHYS 104/6.0, PHYS 106/6.0, PHYS 117/6.0, PHYS 118/6.0
- 60 units from BIOL 102/3.0, BIOL 103/3.0, BIOL 110/3.0, BIOL 111/3.0, MATH 110/6.0, MATH 111/6.0, MATH 112/3.0

2ND YEAR
- GEOL 200/3.0
- GEOL 221/3.0
- GEOL 232/3.0
- GEOL 235/3.0
- GEOL 238/3.0
- GEOL 249/3.0
- STAT 263/3.0

3RD YEAR
- GEOL 300/3.0
- GEOL 301/3.0 or GEOL 302/1.5
- GEOL 321/3.0
- GEOL 333/3.0
- GEOL 337/3.0
- GEOL 365/3.0
- 60 units from GEOL Options
- 90 units of electives

4TH YEAR
- GEOL 401/1.5 or GEOL 402/1.5
- GEOL 488/3.0
- GEOL 368/3.0 or GEOL 463/3.0
- GEOL 362/3.0 or GEOL 452/3.0 or GEOL 475/3.0
- 120 units from GEOL
- 60 units of electives

* Please note if you were admitted to the Plan prior to May 2018 your requirements are slightly different.

Note that degree requirements are revised regularly. The most current requirements, including course lists and options, are found in the Academic Calendar at: [QUartsci.com/academic-calendar](http://QUartsci.com/academic-calendar)

GEOLOGY
Specialization (Science) Bachelor of Science (Honours)

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1.9 cGPA AUTOMATIC ACCEPTANCE
0.7 cGPA PENDING LIST

*Thresholds are made on a competitive basis and are updated annually. For the latest information please visit: [QUartsci.com](http://QUartsci.com)

Add a CERTIFICATE to your degree
- Employment Relations
- Entrepreneurship, Innovation and Creativity
- Disability and Physical Activity
- French for Professionals
- Geographic Information Science
- Global Action and Engagement
- Indigenous Languages and Cultures
- International Studies
- Media Studies
- Sexual and Gender Diversity
- Urban Planning Studies

[QUartsci.com/certs](http://QUartsci.com/certs)
GET THE COURSES YOU NEED

1ST YEAR
In the 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 Major Night in the Winter term to learn more about plan options.

2ND YEAR
Start going deeper into the discipline of Geology, while considering a certificate such as Employment Relations. Attend Degree Fair in the Fall term to learn more about certificates and internship options. Want to make sure your academics are where you want them to be? Visit SASS (Student Academic Support Services) and the Writing Centre for some help.

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 degree and your optional certificate(s).

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
- Volcanology
- Water conservation

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