ENVIRONMENTAL SCIENCE

Major, Bachelor of Science (Honours) | degree PLAN

GET THE COURSES YOU NEED

ENVIRONMENTAL SCIENCE

Society has become more aware of the seriousness of the environmental problems we face. Yet, at the same time, we have realized that the solutions are not simple. To work towards environmental sustainability, people need to understand the scientific basis of environmental problems. They also need to have expertise in planning, policy and other fields to deal with the social, economic and cultural complexities that surround them.

5% of alumni work in UTILITIES
13% of alumni work in ENVIRONMENT SERVICES
25% of alumni work in GOVERNMENT & LAW
33% of alumni work in EDUCATION

5 REASONS to study ENVIRONMENTAL STUDIES/SCIENCE

1. Hands-on lab and field work. Get dirty, see results.
2. Gain transferable skills that employers want, while learning how to prepare arguments and solve problems.
3. Help create the future world in which you want to live.
4. The best way to find solutions: combining both the arts and the sciences.
5. Research-focused courses in upper years contribute to projects happening across Canada and around the world.

“Think that it’s something that is really unique about our department. The fact that our program is so current with the issues our society is facing and that members of the department can unify over trying to find solutions to the problems.”
-Makenzie MacKay, BAH ’17

Sample Year by Year

1ST YEAR
- BIOL 111/3.0 or BIOL 103/3.0
- GPHY 101/3.0
- GPHY 102/3.0
- GEOL 104/3.0 or GEOL 107/3.0
- ENSC 103/3.0
- 6.0 units of MATH or STAT
- 6.0 units from CHEM 112/6.0 or (CHEM 113/3.0 and CHEM 114/3.0)
- 3.0 units of electives

2ND YEAR
- ENSC 201/3.0
- 3.0 units from GEOL
- 9.0 units from ENSC Options
- 15.0 units of electives and/or minor

3RD YEAR
- ENSC 301/3.0
- ENSC 390/3.0
- 9.0 units from ENSC Options
- 15.0 units of electives and/or minor

4TH YEAR
- ENSC 430/6.0 or ENSC 501/6.0
- 9.0 units from ENSC Options
- 15.0 units of electives and/or minor

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

2018-19 thresholds
2.3 cGPA AUTOMATIC ACCEPTANCE
1.9 cGPA PENDING LIST

“Thresholds are made on a competitive basis and are updated annually. For the latest information please visit: QUartsci.com

ENSC-M-BSH Major (Science) Bachelor of Science (Honours)

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

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EMOTIONAL SCIENCE MAJOR MAP

1ST YEAR
- In first year you'll have the chance to explore the foundations of Environmental Science 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 Environmental Science, while considering a minor and/or certificate such as Global Action and Engagement. Attend Degree A 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 Environmental Science. 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).

What will I learn?
A degree in Environmental Science can equip you with valuable and versatile skills, such as:
- Interdisciplinary perspective to understand environmental topics from a scientific, philosophical and ethical point of view
- Understand natural and human factors related to environmental problems
- Knowledge of local, national and global environmental problems and issues
- Analytical skills to analyze data for trends and apply statistical tests
- Ability to interpret data from scientific experimentation and make conclusions based on research
- Experience with laboratory equipment
- Critical thinking to form, defend, and evaluate arguments and propose solutions
- Oral and written communication to create reports and give presentations
- Teamwork to work as a team on a long-term project
- Resource and time management

Where can I go?
A degree in Environmental Science 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:
- Agriculture
- Cartography
- Forestry
- Horticulture
- Land quality
- Meteorology
- Parks and natural reserves
- Transportation
- Waste management
- Water quality

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