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.

**TOP 5 Reasons To Study Environmental 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.

**ALUMNI JOBS**

- **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**

**2022-23 major thresholds**

Thresholds are made on a competitive basis and are updated annually. To see the thresholds for all programs as well as the latest information, please visit quartsci.com/planselection

**Alumni Story**

“I 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


That is a degree from Queen’s.

queensu.ca/ensc
Environmental 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.

- Attend Majors Night in the Winter term to learn more about Plan options.
- Explore different careers of interest by reading books in the Career Services Information Area, such as Career Opportunities in Conservation and the Environment.

2ND YEAR
Start going deeper into the discipline of Environmental Science, while considering a minor and/or certificate such as Global Action and Engagement, Majors Night, in the full term to learn more about offering electives and certificate options.

- Make sure your academic calendar is 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.

- If interested, apply for an Undergraduate Student Summer Research Fellowship (USSRF). Consider applying to do a 12-16 month QUIP Internship between your third and fourth year. Consider entrepreneurial opportunities via programs like the Queen's Innovation Connector Summer Initiative (QCCSI).

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).

- Investigate full-time jobs or other opportunities related to careers of interest. If interested, look for environmental opportunities through Planet Friendly.

- Assess what experience you're lacking and fill in gaps with volunteering, clubs, or internships - check out the Queen's Careers skills workshop for help.

- Consider joining professional associations like the Ontario Environment Industry Association and the Canadian Institute for Environmental Law and Policy.

C O N S I D E R A 1 2 - 1 6 M O N T H Q U I P I N T E R N S H I P
International students interested in staying in Canada can speak with an International Student Advisor.

- Apply to jobs or future education, or make plans for other adventures. Get help from Career Services with job searching, resumes, interviews, Grad School applications, or other decisions.

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.

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Why study in Kingston?

For 175 years, our community has been more than a collection of bright minds – Queen’s has attracted students with an ambitious spirit. Queen’s has the highest retention rates, the highest graduation rates, and one of the highest employment rates among recent graduates. We are a research intensive university focused on the undergraduate experience. The BBC has identified Kingston as one of the GREATEST UNIVERSITY TOWNS in the world – and it is often awarded the safest city in Canada. It is a university city at the core; just a quick drive to Toronto, Montreal, Ottawa and even New York. A university with more clubs per capita than any other university in Canada, and a city with more restaurants per capita than any other city in North America – you will have the experience of a lifetime at Queen’s – and graduate with a degree that is globally recognized among the best.

For more information, contact quip@queensu.ca or visit the Program Website.