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.

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

ALUMNI JOBS

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>5%</td>
<td>Utilities</td>
</tr>
<tr>
<td>13%</td>
<td>Environment</td>
</tr>
<tr>
<td>25%</td>
<td>Government &amp; Law</td>
</tr>
<tr>
<td>33%</td>
<td>Education</td>
</tr>
</tbody>
</table>

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.

Interested in finding out how to augment your degree with Experiential Learning? Learn what opportunities and resources are available for you on the Experiential Learning website. You can also reach out to the team directly at asc.el@queensu.ca.


That is a degree from Queen’s.

queensu.ca/ensc
How to use this map

Use the 5 rows of the map to explore possibilities and plan for success in the five overlapping areas of career and academics. The map just offers suggestions - you don’t have to do it all. To make your own custom map, use the My Major Map tool.

1ST YEAR
- In first year you will take EnSc 103, Environment and Sustainability, and 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.
- Interested in getting a head start in learning and working in a digital world? Take ASC 150 and develop future-ready skills!

2ND YEAR
- In second year you will take EnSc 210, Principles of Sustainability, and start going deeper into the discipline of Environmental Science, while considering a minor or certificate such as Global Action and Engagement. Learn more about Certificates and Interdisciplinary 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.
- Develop your entrepreneurial skills by participating in the Dean’s Changemaker Challenge (ASC 200/300).
- Look into summer jobs by talking to the department or Career Services about work through SWEP or Work-Study.
- Take more responsibility within different clubs or extracurriculars.

3RD YEAR
- In third year you will take EnSc 330, Applications of Sustainability, and have 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 Program (USRP) or an NSERC USRA. Consider applying to do a 12-16 month QUIP internship between your third and fourth year. Consider entrepreneurial opportunities via the EnSc Startup Accelerator Program.
- Consider networking with alumni working in careers of interest by joining the LinkedIn groups or extracurriculars.
- Build your intercultural competence by getting involved with other cultures or by practicing or improving your language skills.
- Think about Internship Opportunities abroad related to Environmental Studies.

4TH OR FINAL YEAR
- In fourth year you will have the chance to participate in research-based projects 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).
- Interested in working on a real-world problem with an actual client? Take ASC 400 and develop your consulting and project-management skills.
- 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 Career Services skills and development workshops hosted by the DSC.
- Consider joining professional associations such as the Ontario Environment Industry Association and the Canadian Institute for Environmental Law and Policy.
- Join groups on LinkedIn reflecting specific careers or topics of interest in Environmental Studies.
- Consider a 12-16 MONTH QUIP INTERNSHIP.
- Apply to jobs or future education, or make plans for other adventures. Get help from Career Services with job searching, resumes, interviews, Graduate 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 analysis.
  - Ability to interpret data from scientific experimentation and make conclusions based on research.
  - Experience with laboratory equipment.
  - Critical thinking skills to define, develop, and evaluate arguments and propose solutions.
  - Oral and written communication to create reports and give presentations.
  - To work as a team on a long-term project.
  - Resource and time management skills.

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
  - Energy
  - Forestry
  - Horticulture
  - Land quality
  - Meteorology
  - Parks and natural reserves
  - Transport
  - 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.
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.

Environmental Science

Environmental Science

Get started thinking about the future now – where do you want to go after your degree? Having tentative goals (like careers or grad school) while working through your degree can help with short-term decisions about courses and experiences, but also help you keep motivated for success.

Get the help you need

Queen’s provides you with a broad range of support services from your first point of contact with the university through to graduation. At Queen’s, you are never alone. We have many offices dedicated to helping you learn, think and do. Ranging from help with academics and careers, to physical, emotional, or spiritual resources – our welcoming living and learning environment offers the programs and services you need to be successful, both academically and personally. Queen’s wants you to succeed! Check out the Student Affairs website for available resources.