**Why GRADUATE STUDIES in ENVIRONMENTAL STUDIES?**

The Earth’s environment is under stress, and the search for solutions is anything but simple. It requires an interdisciplinary approach to problem-solving and education. Our program emphasizes the diverse contributions of the natural sciences, humanities, and social sciences to understanding and solving environmental problems.

The MES program meets a growing student demand for post-graduate training relevant to environmental careers in industry, government, and non-governmental organizations. It responds to a strong market in Canada for professionals with environmentally related skills.

**Why QUEEN’S?**

The MES program at Queen’s University provides graduate level training in the field of Environmental Sustainability by practicing an interdisciplinary approach to the study of the long-term dynamics, impacts and management of environmental change, the connections between today’s decisions and tomorrow’s wellbeing, and the strong dependence of human progress on environmental quality. This program provides opportunities for joint projects with many disciplines at Queen’s and RMC, government agencies and partnerships with community organizations.

**Program STRUCTURE**

The MES is offered with two methods of completion:

- **Method I** (Research – 2 years): four half-credit courses, original research, thesis, seminars, formal defense.
- **Method II** (Course based – 16 to 20 months): development of conceptual thinking, analytical & interpretive skills. Six half-credit courses, seminars, library-based interdisciplinary paper.

**RESEARCH Areas**

- **Environmental Chemistry & Toxicology**: Analysis of chemicals, their pathways and fates in the environment, their effects on plants, animals, and humans, and remediation options.
- **Ecosystem & Human Health**: Application of a systems approach to understanding the impact of human activities on climate change, biodiversity, ecosystem functions and human health.
- **Society, Culture & Economic Sustainability**: Finding solutions to environmental problems and sustainable living involving the investigation of cultural, social and economic systems.
- **Past projects have involved**: land-use planning, governance, social justice, Indigenous studies, activism, and environmental philosophy.

“**The academic environment is excellent. The faculty is supportive, and the students are really friendly.”**

– Atanu Sarkar, MES

Visit the School of Environmental Studies website to read faculty profiles and learn more about faculty members’ research areas. When you find a faculty member with similar research interests to yours, contact them and tell them about your interest in graduate work and related experience. Consider meeting with your potential supervisor at departmental events for prospective students.
How to use this map

Use the 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.

2022-2023

Environmental Studies
MES Map

Getting Started

- Start with key priorities like developing your relationship with your supervisor, forming your committee, and doing your coursework.
- Consider how your course papers can contribute to your essay or thesis.
- Find your way through the academic process with help from departmental and School of Graduate Studies and Postdoctoral Affairs professional development workshops, the department Grad Chair and the SGSPA website.

Maximize Research Impact

- Start to think about the audiences for your research.
- If you will be continuing graduate studies, apply for SSHRC and OGS funding.
- Consider positions in student services, the SGPS, or media outlets like the Queen’s Journal, CFRC, and the SGSPA Blog. Look in the AMS Clubs Directory for more ideas.
- Serve on departmental, faculty or university committees. Talk to the school Graduate Chair for tips on getting involved.
- Check out professional development workshops from Expanding Horizons and the School of Environmental Studies.

Build Skills and Experience

- Explore how you can connect with your community through experiential opportunities on- and off-campus.
- Consider volunteering with different student groups and initiatives for sustainability.
- Start keeping an ePortfolio of your skills, experiences and competencies.
- Use a Research Assistant or Teaching Assistant position to develop your research or teaching skills.
- For help with teaching, get support from the Centre for Teaching and Learning. Enrol in SGS592 or the PUTL Certificate for more professional development in teaching and learning.
- Participate in your graduate and professional community through activities such as graduate student outreach programs, organizing conferences, and research groups.
- Prepare for work or studies in a multi-cultural environment by taking the Intercultural Awareness Training Certificate hosted by QUAC and Four Directions Indigenous Student Centre.
- If you are an international student interested in staying in Canada, consider speaking with an International Student Advisor.
- Explore different careers of interest by using Queens Connects on LinkedIn to connect with Queen’s alumni. Check out Career Cruising for more information.
- If you are considering a PhD, explore programs of interest reach out to faculty, and apply to PhD programs and external scholarships.
- Participate in hiring committees and attend job talks. Start focusing on areas of interest. Research organizations of interest and start putting together your CV or resume for potential positions of interest. Get help from Career Services with job searching, resumes, and interviews.

Wrap Up

- Complete your coursework; begin to research and write your essay or thesis.
- Take additional training through the Analytical Research Unit (ARU) on chemical analysis techniques or contamination remediation.
- Consider participating in the 3 Minute Thesis (3MT) competition.
- Attend or present at a graduate conference such as Water Initiative for the Future (WIF).
- Attend and participate in graduate seminars such as CNSC 897: Seminars in Environmental Studies.
- Consider participating in the 3 Minute Thesis (3MT) competition.
- Practice articulating the skills you have been developing in settings outside the university, such as casual conversation, networking, and interviews. Get help from a Career Services workshop.
- Investigate internships from MITACS and other sources.
- Check out opportunities for extra training through CTL, School of Graduate Studies and Postdoctoral Affairs professional development, or other sources to boost your skills.

Achieve Your Academic Goals

- Complete your essay or thesis.
- Consider publication options for your research.
- Attend a major conference in your field, such as the IUPAC Annual Conference on Green Chemistry.
- Set up a meeting with the School of Graduate Studies and Postdoctoral Affairs for a Grad Chat to discuss your research interests.
- Do some targeted networking with people working in careers of interest, through Queen’s Connects on LinkedIn, the Queen’s Alumni Association, professional associations, and at conferences. Get help from a Career Services workshop.
- Consider joining professional associations like the Ontario Environment Industry Association and the Canadian Institute for Environmental Law and Policy.

Engage With Your Community

- Participate in your graduate and professional community through activities such as graduate student outreach programs, organizing conferences, and research groups.
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Where Can I Go?

A Master’s degree in Environmental Studies can take your career in many directions. Many of our MES students choose to continue their academic inquiry with a PhD. Our Master’s students are equipped with a strong foundation for careers in:
- Environmental protection – water quality, natural heritage planning, parks management, biodiversity conservation, wildlife management Conservation and management of natural resources – forestry, energy, aggregates, minerals and metals, natural resources management
- Environmental sustainability – education, monitoring, restoration, communication and public awareness, sustainable development management, policy and legislation

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

What Will I Learn?

A graduate degree in Environmental Studies can equip you with:
- Knowledge and technical skills
- Effective communication skills in multiple forms for diverse audiences
- Information management: prioritize, organize and synthesize large amounts of information
- Time management: meet deadlines and manage responsibilities despite competing demands
- Project management: develop ideas, gather information, analyze, critically appraise findings, draw and act on conclusions
- Creativity and innovation
- Perseverance
- Independence and experience as a collaborative worker
- Awareness, an understanding of sound ethical practices, social responsibility, responsible research and cultural sensitivity
- Professionalism in all aspects of work, research, and interactions
- Leadership: initiative and vision leading people and discussion

queen's university
Graduate Studies FAQs

What do I need to know to APPLY?

ACADEMIC REQUIREMENTS
- 4 year Honours undergraduate degree (or the equivalent). The program is suited to students with a wide range of educational backgrounds, including Environmental Studies, History, Geography, Biology, Chemistry, Life Sciences, Engineering, Law, Philosophy and Art.
- Grade requirements: minimum cumulative GPA of B+.

ADDITIONAL REQUIREMENTS
- If English is not a native language, prospective students must meet the English language proficiency requirements in writing, speaking, reading, and listening. The following minimum scores are required: (1) TOEFL iBT: Writing (24/30); Speaking (22/30); Reading (22/30); Listening (20/30). Applicants must have the minimum score in each test as well as the minimum overall score, or (2) IELTS: 7.0 (academic module overall band score and a 7.0 for each test band), or (3) PTE Academics: 65, or (4) CAEL CE -70 (minimum overall score).

KEY DATES & DEADLINES
- Application due: February 1st.
- Notification of acceptance: As soon as possible after receiving the full application.

Before you start your application, please review the Graduate studies application process.

What about FUNDING?

MES students receive minimum funding of $14,000 per year for the two years of the program. This basic level of funding is pro-rated based on the duration of study. Your overall financial support will consist of graduate awards, external scholarships, internal fellowships and bursaries, teaching and research assistantships, research grants and/or support from the School of Environmental Studies.

Apply for external funding from OGS, SSHRC and other sources. For more information, see the School of Graduate Studies and Postdoctoral Affairs’ information on awards and scholarships.