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.

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.

“Why GRADUATE STUDIES in ENVIRONMENTAL STUDIES?”

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

– Atanu Sarkar, MES

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.

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 him/her and tell them about your interest in graduate work and related experience. Consider meeting with your potential supervisor at departmental events for prospective students. We encourage you to identify a research area of interest and contact a potential supervisor before applying.
## GETTING STARTED

### ACHIEVE YOUR ACADEMIC GOALS

- 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 Expanding Horizons professional development workshops, the Department Grad Chair, and the SGS Habitat.

### 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.

### BUILD SKILLS AND EXPERIENCE

- Consider positions in student services, the SGPS, or media outlets like the Queen's Journal, CFRC, and the SGS 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.

### ENGAGE WITH YOUR COMMUNITY

- 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.

### LAUNCH YOUR CAREER

- Finding a career that fits starts with knowing yourself. Get help by taking a Career Services workshop or meeting with a career counsellor. Check out books like *What Are You Going to Do With That?* for advice on various career options.
- Start reading publications like University Affairs and the Chronicle of Higher Education. Browse non-academic market websites. Stay on the lookout for special events like Graduate Student Career Week to explore your career pathways.
- Check admission test deadlines if needed for further studies.

## INTERMEDIATE STAGE

### ACHIEVE YOUR ACADEMIC GOALS

- Complete your coursework; begin to research and write your essay or thesis.
- Take additional training through the Analytical Research Unit (ASU) on chemical analysis techniques or contamination remediation.

### MAXIMIZE RESEARCH IMPACT

- Attend or present at a graduate conference such as *Water Initiative for the Future (WtF)*.
- Attend and participate in graduate seminars such as ENSC 897: Seminars in Environmental Studies.
- Consider participating in the 3 Minute Thesis (3MT) competition.
- Take part in the Environmental Studies Research Day.

### BUILD SKILLS AND EXPERIENCE

- 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.

### ENGAGE WITH YOUR COMMUNITY

- 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 QuIC and Four Directions Indigenous Student Centre.
- If you are an international student interested in staying in Canada, consider speaking with an International Student Advisor.

### LAUNCH YOUR CAREER

- Explore different careers of interest by reading *alumni profiles* on the SGS website, and using Queen’sConnects on LinkedIn to connect with Queen's alumni, or find alumni in various careers through *Ask an Alum*.
- If you are considering a PhD, explore programs of interest reach out to faculty, and apply to PhD programs and external scholarships.

## WRAPPING UP

### ACHIEVE YOUR ACADEMIC GOALS

- Complete your essay or thesis.

### MAXIMIZE RESEARCH IMPACT

- Consider publication options for your research.
- Attend a major conference in your field, such as the International IUPAC Conference on Green Chemistry.
- Set up a meeting with the School of Graduate Studies for a Grad Chat to discuss your research interests.
- Consider putting an article in *The Conversation*.

### BUILD SKILLS AND EXPERIENCE

- 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.
- Check out opportunities for extra training through CTL, Expanding Horizons, Mitacs, or other sources to boost your skills.
- Investigate internships from Mitacs and other sources.

### ENGAGE WITH YOUR COMMUNITY

- Do some targeted networking with people working in careers of interest, through Queen’sConnects or 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.

### LAUNCH YOUR CAREER

- 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, or interviews.

## 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, 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

## 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 and recreation 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.

Visit careers.queensu.ca/gradmaps for the online version with links!
Application 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 School of Graduate Studies requires the following minimum scores: TOEFL (paper-based): 550, (2) TOEFL iBT: Writing (24/30); Speaking (22/30); Reading (22/30); Listening (20/30), for a total of 88/120 (applicants must have the minimum score in each test as well as the minimum overall score), or (3) IELTS: 7.0 (academic module overall band score), or (4) PTE Academics: 65.

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’ information on awards and scholarships.