Why GRADUATE STUDIES in EARTH & ENERGY RESOURCE LEADERSHIP?

The unique curriculum design places the progression of the resource life cycle, with its fundamental earth science and engineering aspects, at the center of the program. This life cycle moves from resource exploration, through development, production and use, to stages of remediation, recycling and disposal, and on to a final stage of closure and maintenance. Each phase of this life cycle will be evaluated successively through one of four lenses, or perspectives. These are: the economic and business lens, the operating framework of legal, policy, regulatory, and ethical lens, the strategic leadership and management lens (including decision-making, and risk analysis), and the stakeholder engagement, partnership development, and communication lens.

Why QUEEN’S?

Queen’s Department of Geological Sciences and Geological Engineering, responding to interest expressed by senior industry leaders, has identified the need for a Professional, Part-time Master’s degree focused on enhancing integration across multiple fields within earth and natural resource management, including the geosciences, engineering, and the legal, policy, and business and finance realms. The goal of this program is to develop necessary competencies in emerging leaders in the resource sector so that they may play a major role in wise stewardship of those energy, mineral, and water commodities that are essential to civilized society.

This interdisciplinary degree will capitalize on Queen’s traditional strengths by drawing teaching staff from the Faculties of Arts and Science, Engineering and Applied Science, and Law, Smith School of Business and School of Policy Studies, as well as engaging industry practitioners.

The ONLINE Advantage

Online learning offers a flexible approach to complete a degree while balancing your busy work and family life. We understand that our online students juggle work, family and personal commitments, so our courses are flexible to fit your lifestyle. Course materials are available 24/7 through an online student platform called OnQ, so you can access them any time. As an online student, you’ll have support for your success, experience Queen’s quality education, and thrive in an interactive learning environment.

“This program will show students how to take a strategic approach and be ready for whatever is going to happen in 5 years – where the market is going, what the key influencers might be.”

– Vice President, Operations and Environment, Health and Safety, Spectra Energy

Program STRUCTURE

The Master of Earth and Energy Resources Leadership Degree Program is a new and one-of-a-kind degree program, 80% online and 20% residential over a 20 month period, accommodating those who are currently working, or those who prefer to obtain their degree remotely.

More About The 20% RESIDENTIAL PORTION

1ST RESIDENTIAL SESSION: The Master of Earth and Energy Resources Leadership Degree Program will begin in September with a required one week orientation residential period held on Queen’s campus. Complete orientation participation is required for all new students. Orientation will cover what to expect as a graduate student in MEERL, a chance to get to know fellow classmates, the Faculty, the team with Continuing Distance Studies, Administrative staff and Library Support. Students will get started on the first 2 courses in the program. There will also be a Key Note Speaker/Dinner event along with a fun activity to wind the week down to a close.

2ND RESIDENTIAL SESSION: Mid-way through the program (1st summer term) will take place in Calgary, Alberta for approximately 2 weeks. During this time period, students will take core course EERL 804 Economic Essentials – Part II and in addition will take one or both of the two field-based elective courses.

3RD RESIDENTIAL SESSION: Location yet to be confirmed.

CORE Courses

- Resource Life Cycle Overview
- Strategic Leadership in the Resource Sector
- Economic Essentials for Mining and Oil and Gas
- Operating Effectively: Law, Policy, Regulation and Ethics
- Communication, and Partnerships: Stakeholder Engagement Strategies
- Technology and Innovation
Earth & Energy Resources Leadership MEERL MAP *

**WHAT WILL I LEARN?**
A graduate degree in Earth and Energy Resources can equip you with valuable and versatile skills, such as:

- 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

**WHERE CAN I GO?**
A Master’s degree in Earth and Energy Resources Leadership can take your career in many directions. Our Master’s students are equipped with a strong expertise in:

- Resource life cycle: energy and minerals
- Strategic leadership in the resource sector
- Economic essentials for mining and oil and gas
- Operating effectively: law policy, regulation and ethics
- Communication, and partnerships: stakeholder engagement strategies
- Technology and innovation
- Field-based synthesis

Pursuit of this degree will allow candidates to examine the opportunities and challenges involved in sustainable energy, mineral, and related water resources management, and help them develop the leadership, innovation, and entrepreneurial skills required to more effectively advance the entire enterprise. A graduate degree from this program will enhance both vertical and lateral career progression opportunities for recipients working in the resource field.

Visit careers.queensu.ca/gradmaps for the online version with links!

* This map is intended to provide suggestions for activities and careers, but everyone’s abilities, experiences, and constraints are different. Build your own Grad Map using our online My Grad Map tool.

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Application FAQs

What do I need to know to APPLY?

This program is for early to early-mid career professionals, with approximately 3 to 10 years’ work experience, in a range of positions within the energy and mineral resource field, including private sector, industry, governmental, or non-profits.

ACADEMIC REQUIREMENTS
- A 4 year Bachelor’s degree from a recognized university or equivalent, with a minimum B standing in the last 2 years of program.

ADDITIONAL REQUIREMENTS
- Work experience is strongly preferred.
- 2 letters of reference.
- 2 official transcripts from all universities attended.
- Current resume.
- Statement of interest.
- 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
September admittance only. Rolling admission process with admission decisions made on a competitive basis until all the places in the program are filled. Applications will begin to be reviewed on February 1.

Before you start your application, please review the Graduate studies application process. Candidates must apply through the Queen's School of Graduate Studies website.

What about FEES?
- There is a non-refundable application fee of $105.00 CAD payable to the School of Graduate Studies
- Tuition fees for domestic students are currently $5,724.89 CAD per term (basically 2 courses per term) plus a one-time program fee covering program materials of $1,000 CAD
- Tuition fees for international students are currently $14,546 CAD plus a one-time program fee covering program materials of $1,000 CAD

NB: These fees are exclusive of travel and accommodation.