

Geological Engineering MAsc Map

Applying to and Navigating Graduate Studies

Why Graduate Studies in Geological Engineering?

The Department of Geological Sciences and Geological Engineering offers advanced study and research across the Earth sciences. Faculty research spans Applied Geoenvironmental Sciences and geotechnical engineering, Geophysics and Geochronology, Economic Geology and Mineral Exploration, Petrology and Structural Geology, Sedimentology and Sedimentary Geochemistry, and Paleobiology. Many projects are multidisciplinary and address both economic and environmental challenges.

Graduate students and their work are an important part of an ongoing research process that provides the community with ways of understanding natural, cultural, imaginative, social, and technological phenomena.

Why Queen's?

As a Master's student in Geological Engineering at Queen's you are part of one of the most research intensive universities in Canada. Our research program is internationally renowned with a wide range of research activities in all of the major specialization areas of geological engineering.

The Department of Geological Sciences and Geological Engineering provides opportunities for advanced studies and research in the Earth Sciences. Faculty interests span disciplines in Applied Geoenvironmental Sciences and Geotechnique, Geophysics and Geochronology, Economic Geology and Mineral Exploration, Petrology and Structural Geology, Sedimentology, Sedimentary Geochemistry and Paleobiology often in a multi-disciplinary



"Graduate level Geological Engineering has provided me with the opportunities to delve into my interests in Geophysics with intimate class sizes, impassioned instructors and spectacular locations for Graduate Field School." — Robin Maedel, MASc

fashion and including applications to economic and environmental problems.

Our students come from countries all over the world, such as Brazil, Chile, Greece, and China. At Queen's, graduate students from all disciplines learn and discover in a close-knit intellectual community.

Program Structure

MAsc (2 years): Course work and thesis.

Research Areas

With high-tech geochemistry and geophysics labs, geomechanics computing tools, and Queen's Facility for Isotope Research, our students have the opportunity to engage in cutting-edge geoscience and geoengineering research. As well, students collaborate with industrial partners, government laboratories and surveys, academic institutions worldwide, and engage in

extensive fieldwork on six continents, making our program truly a world-class experience. Students can avail themselves of opportunities to collaborate with other departments at Queen's, including the GeoEngineering Centre at Queen's and RMC, Mining, Environmental Studies, and Civil Engineering.

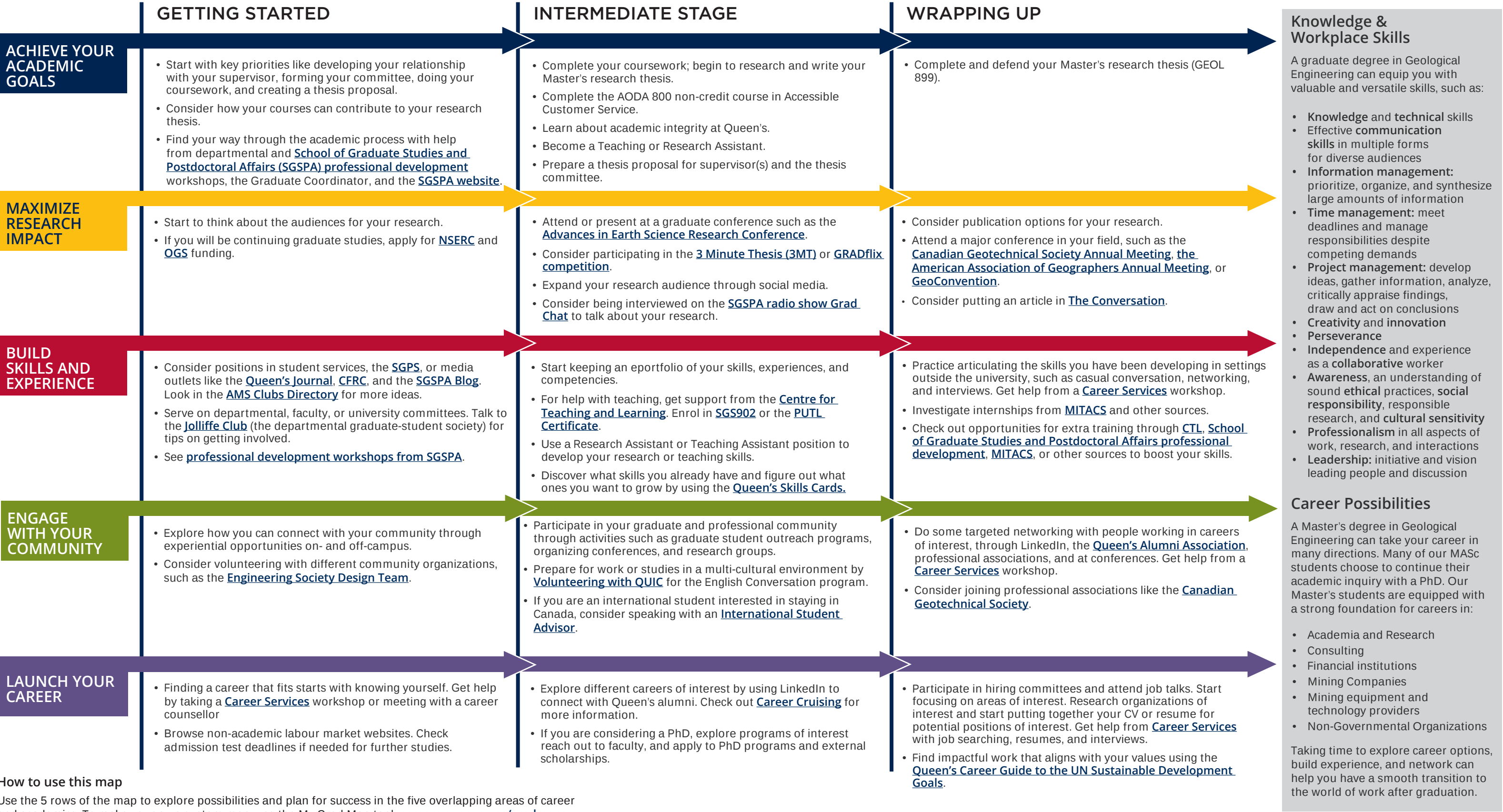
We encourage you to identify an area of research interest and contact a potential supervisor before applying.

Visit the [Geological Engineering website](#) to read about 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.



Geological Engineering MASc Map

MASTER OF APPLIED SCIENCE (MASc)



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. To make your own custom map, use the My Grad Map tool: [careers.queensu.ca/gradmaps](#).

Graduate Studies FAQs

How do I make the most of my time at Queen's?

Use the Grad Map to plan for success in five overlapping areas of your career and academic life. Everyone's journey is different - the ideas on the maps are just suggestions to help you explore possibilities. For more support with your professional development, take advantage of the SGSPA professional development framework and the new Professional Development Plan (PDP) process to set customized goals to help you get career ready when you graduate.

Where can I get help?

Queen's provides you with a broad range of support services from your first point of contact with the university through to graduation. Ranging from help with academics and careers, to physical, emotional, or spiritual resources – our welcoming environment offers the programs and services you need to be successful, both academically and personally. Check out the [SGSPA website](#) for available resources.

What is the community like?

Queen's offers graduate students from every discipline a close-knit intellectual community where they can learn, discover, and build lasting connections. With more than 130 graduate programs across 50+ departments and research centres, students benefit from world-class scholars, prize-winning professional development, generous funding packages, and life in the historic waterfront city of Kingston. The campus sits at the heart of Kingston, just a 10-minute walk from downtown's shops, restaurants, and waterfront, and is deeply integrated with the local community. For more on Kingston's history and culture, see Queen's University's Discover Kingston page.

Application FAQs

What do I need to know to Apply?

ACADEMIC REQUIREMENTS

- A Bachelor's degree in Geological Sciences or Geological Engineering, Mining Engineering, or Civil Engineering are acceptable. Degrees in related fields, such as Biology, Chemistry, Physics, Environmental Sciences, or Geography will be considered, but may require additional Geology courses during the period of study.
- **Grade requirements:** Work completed over all 4 years of the undergraduate degree will be considered, with emphasis on the last 2 years.

ADDITIONAL REQUIREMENTS

- If English is not a first language, nor was the language of instruction in undergraduate studies, prospective students must meet English language proficiency requirements in writing, speaking, reading, and listening as part of the application process, and before final acceptance is granted, as per School of Graduate Studies and Postdoctoral Affairs' regulations.

KEY DATES & DEADLINES

- **Application due:** February 1.
- **Notification of acceptance:** Typically 4 weeks after the full application has been received.

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

What about Funding?

Currently, Geological Engineering Master's students have a minimum funding of \$21,000 for domestic students and minimum funding of \$28,000 for international students. Research Assistantships are in consultation with the student's supervisor. Students should also consult the NSERC for the current levels of support this agency provides.

For more information on awards and scholarships, consult the School of Graduate Studies and Postdoctoral Affairs' website.

