**Academic Requirements**
- A Bachelor's degree in Geological Sciences or Geological Engineering, Mining Engineering, or Civil Engineering is acceptable. Degrees in related fields, such as Biology, Chemistry, Physics, Environmental Sciences, or Geology, 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 native language, prospective students must meet the School of Graduate Studies' TOEFL (paper-based): 550, TOEFL iBT: 213, IELTS: 7.0 (academic module overall band score), or PTE Academic: 65.

**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](#).
## GETTING STARTED

### ACHIEVE YOUR ACADEMIC GOALS
- Start with key priorities like developing your relationship with your supervisor, forming your committee, during your coursework, and creating a thesis proposal.
- Consider how your courses can contribute to your research thesis.
- Find your way through the academic process with help from departmental and Expanding Horizons professional development workshops, the Graduate Coordinator 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 NSERC and OGS funding.
- Consider positions in student services, the SPS, or media outlets like the Queen’s Journal, CFRC, and the SGS Blog, look in the AMS Clubs Directory for more opportunities.
- Serve on departmental, faculty or university committees. Talk to the Jolliffe Club (the departmental graduate-student society) for tips on getting involved.
- See professional development workshops from Expanding Horizons.

### BUILD SKILLS AND EXPERIENCE
- Explore how you can connect with your community through experiential opportunities on- and off-campus.
- Consider volunteering with different community organizations, such as the Engineering Society Design Team.
- Participate in your graduate and professional community through activities such as graduate student outreach programs, organizing conferences, and research groups.

### ENGAGE WITH YOUR COMMUNITY
- Explore different careers of interest by reading alumni profiles on the SGS website, and using QueenConnects on LinkedIn to connect with Queen’s alumni, or find alumni in various careers through Ask an Alum.
- Check the free online modules at MyGradSkills to help you plan your career.
- If you are considering a PhD, explore programs of interest reach out to faculty, and apply to PhD programs and external scholarships.

### LAUNCH YOUR CAREER
- Find a career that fits starts with knowing yourself. Get help by taking a Career Services career planning workshop or meeting with a career counselor. Check out books like So 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 lateral 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 Master’s research thesis.
- Complete the AQDA 800 non-credit course in Accessible Customer Service.
- Learn about academic integrity at Queen’s.
- Become a Teaching or Research Assistant.
- Prepare a thesis proposal for supervisor(s) and the thesis committee.

### MAXIMIZE RESEARCH IMPACT
- Attend or present at a graduate conference such as the Advances in Earth Science Research Conference.
- Consider participating in the 3 Minute Thesis (3MT) competition.
- Expand your research audience through social media.

### BUILD SKILLS AND EXPERIENCE
- Start keeping an e-portfolio of your skills, experiences and competencies.
- For help with teaching, get support from the Centre for Teaching and Learning. Enroll in SG5091 or the PUTL certificate.
- Use a Research Assistant or Teaching Assistant position to develop your research or teaching skills.

### 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 Competency Certificate.
- 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 QueenConnects on LinkedIn to connect with Queen’s alumni, or find alumni in various careers through Ask an Alum.
- Check the free online modules at MyGradSkills to help you plan your career.
- 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 and defend your Master’s research thesis (GEOL 899).

### MAXIMIZE RESEARCH IMPACT
- Consider publication options for your research.
- Attend a major conference in your field, such as the Canadian Geotechnical Society Annual Meeting, the American Association of Geographers Annual Meeting, or GeoConvention.

### 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 QueenConnects, 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 Canadian Geotechnical Society.

### 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 Geological Engineering 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 collaborator 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 Geological Engineering can take your career in many directions. Many of our MASc students choose to continue their academic inquiry with a PhD. Our Master’s students are equipped with a strong foundation for careers in:

- Academia and Research
- Consulting
- Mining Companies
- Mining equipment and technology providers
- Non-Governmental Organizations
- Financial institutions
- Taking time to explore career options, build experience, and network can help you have a smooth transition to the world of work after graduation.

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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.*