**Application FAQs**

**What do I need to know to APPLY?**

**ACADEMIC REQUIREMENTS**
- A Bachelor’s degree in Mining, Mechanical Engineering, Chemical Engineering or other related engineering fields. Many of our students come from industrial backgrounds. Anyone without academic prerequisites will be placed on probation and required to take additional courses before initiating a MASc program of study.
- Grade requirements: B- (70%) average.

**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, 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: Academic 65.

**KEY DATES & DEADLINES**
- Application deadline: March 1st.
- Notification of acceptance: April 30th.

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

**What about FUNDING?**

Mining Engineering Master’s students have a minimum funding package of $16,800. In addition to the minimum funding package, you may serve as a Teaching Assistant for at least one term per year and gain additional pay for this service. When necessary, serving as a Teaching Assistant for a second term will result in an increase in your funding package equivalent to half the value of the second TAship.

Apply for external funding from DGS, NSERC and other sources. Queen’s will automatically issue a $5,000 top-up to Masters winners of federal government Tri-Council awards. For more information, see the School of Graduate Studies’ information on awards and scholarships.

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**Areas of SPECIALIZATION**
- Management of Social Risk & Community Relations.
- Mineral Processing.
- Geotechnical, Environmental, Sustainability, & Mineral Economics.
- Geostatistics & Geometallurgy.
- Reliability, Maintenance, & Risk Assessment.

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

Visit the **Mining Engineering website** to read faculty profiles and learn more about **Research Areas**.

For more information, see the **School of Graduate Studies** website. Create an impact at **www.queens.ca/grad**.
Mining Engineering

MASTER OF APPLIED SCIENCE (MASc)

GETTING STARTED

- Start a career with key priorities like developing your relationship with your supervisor, forming your committee, and doing your coursework.
- Consider how your course choices can contribute to your research thesis.
- Find your way through the academic process of 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 NSERC and OGS funding.

BUILD SKILLS AND EXPERIENCE

- Consider positions in student services, the SGS, or media outlets like the Queen's Journal or the SGS Blog. Look in the AMS Clubs Directory for more ideas.
- Serve on departmental, faculty or university committees. Talk to the Society of Graduate and Professional Students (SGPS) for tips on getting involved.
- See professional development workshops from expanding Horizons.

ENGAGE WITH YOUR COMMUNITY

- 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 Teams.
- Find a career that fits the job with knowing yourself. Get help from taking a Career Services career planning workshop or meeting with a career consultant. 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 labour 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

- Complete your coursework; begin to research and write your thesis.
- Complete the AQDA 800 non-credit course in Accessible Customer Service.
- Become a Teaching Assistant.
- Attend the graduate seminar series (MINE 897).
- Take the non-credit course on laboratory safety (CHEM 801) or (MINE 862).
- Attend or present at a graduate conference such as the Canadian Institute of Mining (CIM) Annual Meeting.
- Consider participating in the 3 Minute Thesis (3MT) competition.
- Expand your research audience through social media such as Twitter or a blog.

WRAPPING UP

- Present your research to Mining Engineering graduate students and faculty in the graduate seminar (MINE 897).
- Complete and defend your Master's research thesis (MINE 899).
- Consider publication options for your research.
- Attend a major conference in your field, such as the Canadian Institute of Mining (CIM) conferences or Annual General Meeting.
- Consider how your course choices can contribute to your research thesis.
- Consider volunteering with different community organizations, such as the Out, in Canada, or other sources to boost your skills.
- Investigate internships from Mitacs and other sources.
- 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 CIT (expanding Horizons, Mitacs, or other sources to boost your skills).

WHERE CAN I GO?

- A Master's degree in Mining 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.

WHAT WILL I LEARN?

- A graduate degree in Mining 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, write, and act on conclusions
  - Creativity and innovation
  - Perseverance
  - Independence and experience as a collaborative worker
  - Awareness of 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

* 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.