Graduate Studies FAQs

How do I use this map?
Whether you are considering or have embarked on graduate studies at Queen’s, use this map to plan for success in overlapping areas of your career and academic life. The map helps you explore possibilities, set goals and track your individual accomplishments. Everyone’s journey is different—the guide offers options for finding your way at Queen’s and setting the foundation for your future. To make your own customized map, use the online My Grad Map tool.

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 SOSS HABITAT for available resources.

What is the community like?
At Queen’s, graduate students from all disciplines learn and discover in a close-knit intellectual community. You will find friends, peers and support among the graduate students enrolled in Queen’s more than 150 graduate programs within 50+ departments & research centres. With the world’s best scholars, prize-winning professional development opportunities, excellent funding packages and life in the affordable, historic waterfront city of Kingston, Queen’s offers a wonderful environment for graduate studies. Queen’s is an integral part of the Kingston community, with the campus nestled in the core of the city, only a 10-minute walk to downtown with its shopping, dining and waterfront. For more about 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
• Bachelor’s degree in Engineering or other relevant program.
• Grade requirements: minimum B+ (77%) 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; (internet-based): 79; IELTS: 6.5; PTE: 55; MEL: 80.

FUNDING
• Chemical Engineering graduate students have a minimum funding of $25,000. As part of the minimum funding package, you may serve as a Teaching Assistant for at least one term per year.
• Apply for external funding fromOGS, SSHRC 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.

What about FUNDING?
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Why GRADUATE STUDIES in CHEMICAL ENGINEERING?
As a Master’s student in the field of Chemical Engineering, you can play a vital role in future developments in such areas as biomedical conversion, pollution degradation, tissue engineering, process control and optimization, (bio)chemical sensing, nanocomposites, and many of other areas. Chemical Engineering has a wide range of applications that contribute to modern life and its technologies.

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. Check out whygradstudies.ca for more reasons to choose graduate studies in engineering.

Why QUEEN’S?
As a Master’s student in Chemical 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.

“I enjoyed the interaction between the students and faculty and our industrial partners. It was like a built-in work experience while you’re in school. [giving me] real world experience that I can add to my résumé.”
— Adegbayega Babasola, MSc
**Get Started**

- 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 cognate 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.

**Intermediate Stage**

- Complete your coursework; begin to research and write your cognate essay or thesis.
- Attend the Departmental Speaker Series (CHEE 897).
- Attend or present at a graduate conference.
- Consider participating in the 3 Minute Thesis (3MT) competition.
- Expand your research audience through social media such as Twitter or a blog.
- Set up a meeting with the School of Graduate Studies for a Grad Chat to discuss your research interests.
- 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.

**Wrapping up**

- Present your research to Chemical Engineering graduate students and faculty.
- Complete and defend your Master’s research thesis.
- Consider publishing options for your research.
- Attend a major conference in your field, such as the Canadian Chemical Engineering Conference or an Asian Pacific Confederation of Chemical Engineering Conference. Speak with your supervisor about options for conferences in your area of research.
- Consider putting an article in The Conversation.
- 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.

**What will I learn?**

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

- Academia
- Consulting
- Finance
- Manufacturing
- Petroleum
- Pharmaceuticals

Taking time to explore career options, build experience, and network can help you have a smooth transition to the world of work after graduation.