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 biological 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.

Why QUEEN’S?

As a Master's student in Chemical Engineering at Queen's you are part of one of the most academically intensive universities in Canada. Our Engineering department is internationally renowned with a wide range of courses in all of the major specialization areas.

The Chemical Engineering Department has links to a number of multi-disciplinary centres at Queen's, including: the Human Mobility Research Centre, Green Centre Canada, Innovation Park, the Queen's Centre for Energy and Power Electronics Research (ePOWER), and the Queen’s Innovation Connector. The Department also houses the Polymers Research Group (PRG), with strengths in polymer reaction engineering, processing and rheology.

STUDY Areas

- Biochemical Engineering
- Macromolecular Science and Technology
- Process Analytics, Optimization, and Control
- Microfluidics, Colloids, and Biosensors
- Sustainable energy sources, processes, products, and environmental remediation

Visit the Chemical Engineering website to learn more about this program and its opportunities.

Program STRUCTURE

MEng (1 year): Complete 8 term length courses pre-approved by the department.
Reflect on how your coursework equips you for the workplace after graduation. Consider putting an article in The Conversation.

Check admission test deadlines if needed for further studies. If you are an international student interested in staying in Canada, consider speaking with an International Student Advisor.

Ensure that you have enough credits to graduate. 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.

Consider volunteering with different community organizations, such as Queen's Journal, CFRC, and the SGS Blog, look in the AMS Clubs Directory for more ideas. Serve on departmental or university committees. Talk to the Chemical Engineering Graduate Student Association (CEGSA) to get involved. Check out professional development workshops from Expanding Horizons and the Chemical Engineering Department.

Start keeping an eportfolio of your skills, experiences and competencies. For help with teaching, get support from the Centre for Teaching and Learning. Enroll in SG5901 or the PUTL certificate for more professional development in teaching and learning.

Start keeping your academic integrity tutorial. Explore different careers of interest by reading alumni profiles on the SGS website, and using Queen'sConnects on LinkedIn to connect with Queen's alumni, or find alumni in various careers through Ask an Alum. If you are considering a PhD, explore programs of interest reach out to faculty, and apply to PhD programs and external scholarships.

Ensure that you have enough credits to graduate. 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.

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.

Do some targeted networking with people working in careers of interest, through Queen'sConnects 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 Society for Chemical Engineers.

Complete your coursework. Complete the Academic Integrity Tutorial.

Join an Engineering Society Design Team to contribute your classroom knowledge to a real-world engineering project. Set up a meeting with the School of Graduate Studies for a Grad Chat to discuss your research interests.

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Complete your coursework.

Start keeping an eportfolio of your skills, experiences and competencies.
**Application FAQs**

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

**ACADEMIC REQUIREMENTS**
- Bachelor's degree in Engineering or other relevant program.
- Grade requirement: 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, (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**
- **Application due:** There is a constant intake with no set deadline. It is recommended that the application be completed at least 4 months ahead of the desired admission cycle, especially for international student.
- **Notification of acceptance:** Rolling acceptances for September start.

Before you start your application, please review the [Graduate studies application process](#).

### What about **FUNDING?**

Chemical Engineering M.Eng. graduate students are required to be self-funded.