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 prevention and treatment, tissue engineering, process control and optimization, (bio)chemical sensing, nanocomposites, and many 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

• Bioengineering
• Clean Energy and Sustainable Environments
• Data Analytics, Optimization and Control
• Materials and Interfaces

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.
Chemical Engineering MEng Map *

GETTING STARTED

• Start with key priorities like doing your coursework.
• Find your way through the academic process with help from departmental and Expanding Horizons professional development workshops, the department Grad Chat and additional resources on the SGS site.

INTERMEDIATE STAGE

• Complete your coursework.
• Complete the Academic Integrity Tutorial.

WRAPPING UP

• Ensure that you have enough credits to graduate.
• Reflect on how your coursework equips you for the workplace after graduation.

WHAT WILL I LEARN?
A graduate degree in Chemical Engineering can equip you with:
• 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 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 M Eng students choose to continue their academic career with an MASc or a PhD. Our Master's students are also equipped with a strong foundation for careers in:
• Academia and Research
• Consulting
• Public sector
• Manufacturing
• Policy and Governance
• Civil Engineering in the public domain
• Law

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.
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 following minimum scores are required: (1) TOEFL iBT: Writing (24/30); Speaking (22/30); Reading (22/30); Listening (20/30). Applicants must have the minimum score in each test as well as the minimum overall score, or (2) IELTS: 7.0 (academic module overall band score and a 7.0 for each test band), or (3) PTE Academics: 65, or (4) CAEL CE -70 (minimum overall score).

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.