

CHEMICAL ENGINEERING

Graduate Studies at Queen's University

STUDY AMONGST A DYNAMIC GROUP OF AWARD-WINNING RESEARCHERS
STRONGLY COMMITTED TO RESEARCH, GRADUATE SUPERVISION AND TEACHING.

We offer research based MASc and PhD programs with minimum funding levels of \$26,340 (MASc) and \$27,000 (PhD)/year. We also offer a one year course-based MEng program.

AREAS OF RESEARCH

Bioengineering:

- Biomaterials, controlled release, tissue engineering
- Systems biology
- Environmental remediation
- Conversion of renewable/waste materials into commodity products

Clean Energy and Sustainable Environment:

- Fuel cells
- Green chemistry products and process development
- CO₂ conversion
- Bio-based polymer production

Data Analytics, Optimization and Control:

- Control Engineering
- Implementation of machine learning, reinforcement learning and optimization methods
- Chemical process modeling

Materials and Interfaces:

- Polymer science and technology
- Bio/Chemical sensor development
- Miniaturized energy storage



For additional information on financial support and how to apply, visit our website:
<http://www.chemeng.queensu.ca/graduate-studies/index.html>

Located in beautiful downtown Kingston on Lake Ontario