

# DEPARTMENT OF MECHANICAL & INDUSTRIAL ENGINEERING

We are actively engaged in cutting-edge research spanning many diverse specialties. As part of Canada's top engineering school, we lead the way not only in research, but also in teaching.

From robotics and human factors to bioengineering and sustainability, our researchers are on the cutting edge of the latest technologies that are revolutionizing our world. As a graduate student in the Department of Mechanical & Industrial Engineering, you will collaborate with exceptional students, researchers and industry leaders while gaining the expertise and experience to succeed in your career.

Our department offers graduate students a wealth of opportunity and support. All of our graduate students can apply for teaching assistant opportunities, and MSc and PhD students are eligible to receive at least \$15,000 plus tuition per year (two years for MSc and four years for PhD) to support their studies. Many of our students also benefit from fellowships and travel grants.

## We offer the following graduate degrees in our department:

**Master of Engineering (MEng)**

**Master of Applied Science (MSc)**

**Doctor of Philosophy (PhD)**



## DEPARTMENT AT A GLANCE

- » Received \$13 million in research funding in 2012
- » More than 500 graduate students from across Canada and around the world
- » Alumni network of more than 11,500 globally

## RESEARCH AREAS

- » Advanced Manufacturing and Materials Engineering
- » Applied Mechanics and Design
- » Biomedical Engineering
- » Energy and Environmental Engineering
- » Human Factors/Ergonomics
- » Information Engineering
- » Operations Research
- » Robotics, Mechatronics and Instrumentation
- » Thermal and Fluid Sciences Engineering

## FOR FURTHER INFORMATION, CONTACT:

**MIE Graduate Studies Office**

**MSc / PhD Admission**

416-978-8823

[grad.admission@mie.utoronto.ca](mailto:grad.admission@mie.utoronto.ca)

**MEng Admission**

416-978-8481

[meng.admission@mie.utoronto.ca](mailto:meng.admission@mie.utoronto.ca)

[www.mie.utoronto.ca](http://www.mie.utoronto.ca)

5 King's College Road, Room 108  
Toronto, Ontario, M5S 3G8 Canada



## MASTER OF ENGINEERING

This program provides you with advanced professional training through coursework and an optional project. We also offer areas of emphasis in some of today's most sought-after topics, like energy and healthcare engineering. You can study on a full-time, extended full-time or part-time basis, giving you plenty of flexibility.

**Areas of Emphasis:** Computational Mechanics; Energy Studies; Engineering & Globalization; Engineering & Public Policy; Entrepreneurship Leadership, Innovation & Technology in Engineering (ELITE); Financial Engineering; Healthcare Engineering; Information Engineering; and Robotics & Mechatronics.

**Admission Requirements:** A bachelor's degree with high academic standing from a recognized university, with at least a mid-B in the final year of undergraduate study.

## MASTER OF APPLIED SCIENCE

This program is intended to provide you with research experience through a thesis, as well as advanced education in a particular field of specialization. Upon being admitted, you will be eligible to receive a minimum of \$15,000 plus tuition in support of your studies.

**Admission Requirements:** A bachelor's degree with high academic standing from a recognized university, with at least a mid-B in the final year of undergraduate study. In addition, MASc applicants are expected to demonstrate evidence of research ability.

## DOCTOR OF PHILOSOPHY

Through your written dissertation, you will demonstrate that you have made an original contribution to existing knowledge in your chosen field. Coursework will help you round out your experience. PhD students receive \$15,000 plus tuition and fees for up to four years of study.

**Admission Requirements:** Admission is reserved for those who can present evidence of stellar research ability. At a minimum, you should possess a master's degree with high academic standing from a recognized university, with at least a B+ in each of your previous two years of graduate study.

## MEng

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**Length of Study:** One year on a full-time basis. Two years on an extended full-time basis. Three to six years on a part-time basis.

**Domestic Tuition** (2014–2015, full-time): \$12,250

**International Tuition** (2014–2015, full-time): \$39,580

**Deadline:** Apply by June 1 for a September 2015 start. International students are encouraged to apply before April 1.

**Please Note:** Through the Advanced Design and Manufacturing Institute (AMDI), we are pleased to offer an *MEng in Design and Manufacturing*. The program is available to Canadian citizens and permanent residents only, and applications are accepted at any time. The first step is to submit a preliminary application from the ADMI website: [www.admicanada.com](http://www.admicanada.com).

## MASc

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**Length of Study:** Two years of full-time study

**Domestic Tuition** (2014–2015, full-time): \$7,115

**International Tuition** (2014–2015, full-time): \$18,620

**Deadline:** Apply by January 15 for a September 2015 start.

**Please Note:** We encourage you to contact potential supervisors prior to applying.

## PhD

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**Length of Study:** Four years of full-time study

**Domestic Tuition** (2014–2015, full-time): \$7,160

**International Tuition** (2014–2015, full-time): \$17,730

**Deadline:** Apply by January 15 for a September 2015 start.

**Please Note:** We encourage you to contact potential supervisors. We also offer a **flex-time PhD option** for students who wish to pursue a PhD while continuing to work. Learn more about the flex-time option at [www.mie.utoronto.ca/graduate/phd/flextime.php](http://www.mie.utoronto.ca/graduate/phd/flextime.php).

**English Facility Requirements:** Proof of English proficiency is required for applicants who will not have completed a degree in Canada, the U.S., the U.K., Australia, New Zealand or the Republic of Ireland. It is a requirement of admission and should be met before applying for admission. Please visit [www.gradstudies.engineering.utoronto.ca/EPT](http://www.gradstudies.engineering.utoronto.ca/EPT) to determine whether you are required to take a test and for a list of accepted tests and their minimum required scores.