

DEPARTMENT OF MATERIALS SCIENCE & ENGINEERING

The Department of Materials Science & Engineering at U of T is one of the largest academic units of its discipline in North America. We are leaders in next-generation materials research and education.

As a discipline that enables all technologies, Materials Science & Engineering at the University of Toronto is at the forefront of addressing global issues that have a direct impact on our lives today. Our cutting-edge research in advanced materials creates technological solutions for environmental challenges such as climate change, resource depletion and energy availability.

As a world leader in new materials applications and processing, our commitment to research and teaching excellence fosters innovative thinking, leading to the development of sustainable technologies that make a global impact.

We offer the following graduate degrees in our department:

Master of Engineering (MEng)

Master of Applied Science (MASc)

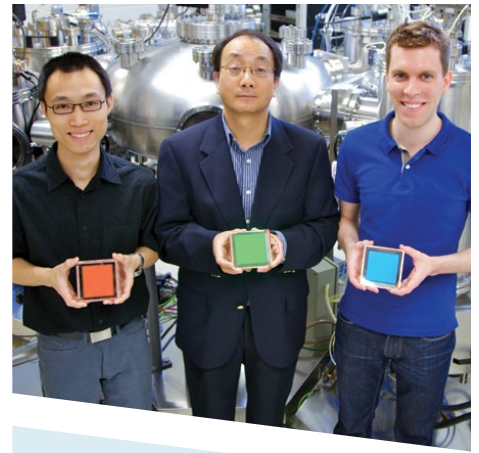
Doctor of Philosophy (PhD)

RESEARCH AREAS

- » Advanced Electronic Materials & Systems
- » Advanced Coating Technologies
- » Biomaterials & Biotechnology
- » Computational Materials Engineering
- » Materials Fracture & Failure
- » Nanomaterials & Nanotechnology
- » Renewable Energy Systems & Devices
- » Sustainable Materials Processing & Modelling



Materials Science & Engineering
UNIVERSITY OF TORONTO



DEPARTMENT AT A GLANCE

- » More than 90 graduate students from across Canada and around the world
- » Received more than \$2.8 million in research funding in 2013
- » \$16M Ontario Centre for the Characterization of Advanced Materials (OCCAM) to be complete by 2015
- » \$1M Walter Curlook Materials Characterization & Processing Laboratory established in 2013
- » Recent PhD graduate and Governor General's Gold Medal recipient Dr. Michael Helander developed the world's most efficient flexible organic light-emitting diode (OLED) during his doctoral studies (*pictured above*)
- » Celebrated centennial year in 2013

FOR FURTHER INFORMATION, CONTACT:

MSE Graduate Studies Office
416-978-1374

mse.grad@utoronto.ca
www.mse.utoronto.ca

184 College Street, Room 140
Toronto, Ontario, M5S 3E4 Canada

MASTER OF ENGINEERING

This program provides you with advanced professional training in materials engineering. In just one year of full-time study, you can obtain a degree respected by employers that differentiates you in a crowded marketplace. Exceptional MEng students may fast-track into the MAsc program; please visit our website for details.

Certificates & Emphases: Advanced Water Technologies & Process Design; Engineering & Globalization; Entrepreneurship, Leadership, Innovation & Technology in Engineering (ELITE); Robotics & Mechatronics.

Admission Requirements: A Bachelor of Applied Science (BASc) in Engineering or Bachelor of Engineering (BEng) with a minimum B (73%+) over the final two years of an undergraduate program from an accredited institution.

MASTER OF APPLIED SCIENCE

The MAsc program is oriented toward a career in research. All MAsc students carry out a thesis which reports the findings of research conducted by the student. MAsc students are guaranteed funding for two years. Exceptional students can fast-track into the PhD program.

Admission Requirements: A Bachelor of Applied Science (BASc) in Engineering or Bachelor of Engineering (BEng) with a minimum average of B+ (78%+) over the final two years of an undergraduate program from an accredited institution.

DOCTOR OF PHILOSOPHY

The PhD program consists of courses and an extensive thesis, which you will complete under the supervision of a faculty member. PhD students are guaranteed funding for four years.

Admission Requirements: Successful completion of a research master's degree in engineering, with an overall average of at least B+ (78%+), from an accredited institution. Current MAsc students within our department can apply to fast-track into the PhD program before completing the MAsc degree requirements.

MEng

Length of Study: One year, regular full-time study; or, 2 years extended full-time study (see MSE website for details). Those studying on a part-time basis must complete all degree requirements within 6 years.

Examples of Courses: Advanced Physical Properties of Structural Nanomaterials; Interface & Nanophase Engineering; Forensic Materials Engineering

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

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

Domestic & International Deadline: Apply by June 1 for a September 2015 start.

MAsc

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*

Domestic & International Deadline: Apply by March 1 for a September 2015 start.

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

PhD

Length of Study: Four years of full-time study

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

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

Domestic & International Deadline: Apply by March 1 for a September 2015 start.

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

**Additional ancillary fees will also be applied (approximately \$1,300)*

English Facility Requirements: There is a minimum English facility requirement for all applicants educated outside Canada whose primary language is not English. It is a requirement of admission and should be met before applying for admission. Please visit 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.