

U OF T INSTITUTE FOR AEROSPACE STUDIES (UTIAS)

The University of Toronto Institute for Aerospace Studies has been a world-class hub for aerospace research since World War II.

From aircraft flight and space robotics to experimental fluid dynamics and microsatellites, our researchers are on the cutting edge of the latest technologies that are revolutionizing our world. As a UTIAS graduate student, you will collaborate with exceptional students, researchers and industry leaders — including NASA and Bombardier — while gaining the expertise and experience to succeed in your career. The Centre for Research in Sustainable Aviation, founded in 2013, makes UTIAS a world leader in this important area, providing opportunities for students in both education and research.

In addition to providing you with a rich research and learning experience, we offer a wealth of opportunities for graduate students to explore their interests through student associations and groups. Whether you have an interest in sports or local excursions, the Aerospace Students' Association serves our graduate students. The same UTIAS alumni and student group that built the world's first human-powered ornithopter also won the coveted AHS Igor I. Sikorsky Human-Powered Helicopter Prize for the first-ever sustained flight in a human-powered helicopter.

We offer the following graduate degrees in our department:

Master of Engineering (MEng)

Master of Applied Science (MASc)

Doctor of Philosophy (PhD)

Students can also earn a certificate of emphasis in Sustainable Aviation.

FOR FURTHER INFORMATION, CONTACT:

UTIAS Graduate Studies Office

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Institute for Aerospace Studies
UNIVERSITY OF TORONTO



DEPARTMENT AT A GLANCE

- » More than 170 graduate students from across Canada and around the world
- » Received more than \$7.7 million in research funding in 2012
- » Alumni network of more than 1,000

RESEARCH AREAS

- » Advanced Aerospace Structures
- » Aircraft Dynamics, Flight Simulation & Flight Test
- » Aircraft Flight Systems & Control
- » Autonomous Space Robotics
- » Combustion & Emissions in Aviation
- » Combustion & Propulsion
- » Computational Aerodynamics & Aerostructural Optimization
- » Computational Fluid Dynamics & Propulsion
- » Computational Modelling & Design Optimization Under Uncertainty
- » Dynamic Systems
- » Experimental Engines
- » Experimental Fluid Dynamics
- » Flow Control & Experimental Turbulence
- » Fusion Energy: Plasma Materials Interactions
- » Fusion Energy: Computer Code Modelling
- » High Speed Vehicle Propulsion Systems
- » Multidisciplinary Design Optimization
- » Space & Terrestrial Autonomous Robotic Systems
- » Spacecraft Dynamics/Control & Microsatellites
- » Space Flight Laboratory: Microsatellite Systems
- » Space Mechatronics
- » Space Robotics
- » Sustainable Aviation

MASTER OF ENGINEERING

This program provides you with advanced professional training. The MEng is an excellent way to differentiate yourself in today's competitive marketplace.

Areas of Emphasis: Entrepreneurship, Leadership, Innovation & Technology in Engineering (ELITE); Engineering & Public Policy; Engineering & Globalization; Robotics & Mechatronics; Sustainable Aviation.

Admission Requirements: A bachelor's degree in engineering from a recognized university, with at least a B+ in each of the final two years of study.

MASTER OF APPLIED SCIENCE

The MASC program is oriented toward a career in either research or industry. You'll complete courses and a thesis that reports the findings of your research project completed under the supervision of a UTIAS faculty member. As an MASC student, you will receive \$15,000 plus tuition and fees per year. Exceptional students can fast-track into the PhD program.

Admission Requirements: A four-year degree (or equivalent) in engineering, mathematics, physics or chemistry with a B+ average (or equivalent) in each of the final two years.

DOCTOR OF PHILOSOPHY

The PhD program is oriented toward a career in academia or a senior position in government or industry. The program consists of courses and an extensive thesis, which you will complete under the supervision of a UTIAS faculty member. You will receive \$16,000 plus tuition and fees for up to four years of study as a PhD student.

Admission Requirements: Candidates for PhD studies must have an MASC degree in engineering, mathematics, physics or chemistry and must have demonstrated ability to perform advanced research. Students with excellent performance during the first year of an MASC program may fast-track directly into the PhD program without having to complete the MASC thesis.

MEng

Length of Study: One year of full-time study or two years of extended full-time study. On a part-time basis, the requirements of the degree must be complete within six years.

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

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

Deadline: Apply by November 14 for a January 2015 start, or by June 30 for a September 2015 start.

Apply by April 1 (International applicants) and June 1 (Domestic applicants) to start in September 2015.

MASC

Length of Study: 20 months of full-time study

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

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

Deadline: Apply by November 14 for a January 2015 start, or by January 16 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

Deadline: Apply by March 1 for a September 2015 start

Please Note: Apply by November 14 for a January 2015 start, or by January 16 for a September 2015 start.

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

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.