

INSTITUTE OF BIOMATERIALS & BIOMEDICAL ENGINEERING

HOME OF BIOMEDICAL ENGINEERING

The Institute of Biomaterials & Biomedical Engineering (IBBME) at the University of Toronto is a multidisciplinary research unit where engineering, medicine and dentistry investigators collaborate to develop innovative solutions for global challenges in human health.

Located in the heart of Canada's largest hospital and health care research network, our renowned graduate degree programs in **biomedical** and **clinical engineering** offer hands-on training that is combined with real-world experience and exposure.

1st

BME Unit Established
in Canada (1962)

100+

Faculty
Members

31

Academic, Hospital,
and Industry Partners

400+

Graduate
Students

43%

Women Graduate
Students

200+

Publications Produced
Annually

\$7M

Total Student
Funding (2018-19)

\$12M

Total Research
Funding (2018-19)

#1

In Procuring CIHR
Funding in Engineering



RESEARCH THEMES

- » Clinical Engineering
- » Cell & Tissue Engineering
- » Molecular Engineering



GRADUATE DEGREES

- » Master of Engineering (MEng)
- » Master of Applied Science (MASc)
- » Doctor of Philosophy (PhD)

FOR FURTHER INFORMATION, CONTACT:

MEng
416-978-6102
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Institute of Biomaterials & Biomedical Engineering
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MASTER OF ENGINEERING (MEng) IN BIOMEDICAL ENGINEERING

The **MEng in Biomedical Engineering** program focuses on the design and commercialization of biomedical devices. Students will have the opportunity to take on applied design challenges and meet the growing demands of this industry through course work and a four-month internship.

Length of study: one year (full time)

Domestic Tuition: (2019-2020, full-time): \$15,020.90

International Tuition: (2019-2020, full-time): \$61,506.90

Deadline: For a September start, domestic and international students should apply by mid-March.

MASTER OF APPLIED SCIENCE (MASc) IN BIOMEDICAL ENGINEERING

The **MASc in Biomedical Engineering** is a research-focused program that immerses students in the application of biomedical sciences and engineering principles to advance solutions for challenges in human health. MASc students are guaranteed funding for two years plus tuition and fees. Exceptional MASc candidates may transfer to the PhD program during their first year of study.

Length of study: two years (full time)

Domestic Tuition: (2019-2020, full-time): \$7,850.90

International Tuition: (2019-2020, full-time): \$26,046.90

Deadline: For a September start, domestic students should apply by mid-January and international students should apply by the beginning of December.

DOCTOR OF PHILOSOPHY (PhD) IN BIOMEDICAL ENGINEERING

The **PhD in Biomedical Engineering** is a research-intensive program that immerses students in the application of biomedical sciences and engineering principles to advance solutions for challenges in human health. Students can be directly admitted into the PhD program. Direct-entry PhD students are guaranteed five years of funding plus tuition and fees while PhD students entering from a completed master's program are guaranteed four years of funding plus tuition and fees.

Length of study: four years (full time)

Domestic Tuition: (2019-2020, full-time): \$7,850.90

International Tuition: (2019-2020, full-time): \$8,486.90

Deadline: For a September start, domestic students should apply by mid-January and international students should apply by the beginning of December.

COLLABORATIVE SPECIALIZATION IN BIOMEDICAL ENGINEERING

This specialization allows students to earn a certificate in biomedical engineering in conjunction with a research-stream degree program offered in 14 other academic units at U of T. This option provides students with the opportunity to cross traditional discipline boundaries and gain in-depth exposure to biomedical engineering.

Admission Requirements: Application requirements vary for this program and are set by the collaborating academic unit. Students interested in this option must apply at the time of their initial application for graduate studies at the University of Toronto. Please visit www.ibbme.utoronto.ca for more information.

Collaborating graduate units at U of T include departments in the Faculties of Applied Science & Engineering, Arts & Science, Dentistry, Medicine and Pharmacy. Please visit www.ibbme.utoronto.ca for a full listing.

Admission Requirements - MEng: A four-year undergraduate degree in engineering or equivalent from an accredited institution with a good standing in the final two years of study. MEng applicants are encouraged to have a minor in biomedical engineering or equivalent.

Admission Requirements - PhD & MASc: A four-year undergraduate degree in engineering, medicine, dentistry, physical or biological sciences from an accredited institution with a good standing in the final two years of study. Securing a faculty supervisor is also required.

English Proficiency Requirements: There is a minimum English proficiency 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.uoft.me/englishfacility to determine whether you are required to take a test and for a list of accepted tests and their minimum required scores.

Application due dates may vary from year to year; please visit www.ibbme.utoronto.ca for exact deadlines. All tuition amounts include incidental fees. Additional ancillary fees may be levied for enrolment in specific courses or for individual circumstances.