ENGINEERING

McGill University's Faculty of Engineering is one of Canada's most distinguished research communities, home to approximately 150 professors, approximately 3,500 undergraduates, and over 1,200 graduate students. Here, you'll study with some of the world's most prominent teachers and researchers and be part of a team of the best and brightest students in the world. Our alumni network includes astronauts, scientists, Nobel Prize recipients, heads of government, innovators, business leaders, writers, Oscar winners, entrepreneurs, management consultants, and visionaries in every aspect of Engineering, Architecture, and Urban Planning. These highly respected women and men speak to McGill Engineering's ability to equip its graduates for success.

About the Faculty of Engineering

The Faculty currently includes six engineering departments and two schools, and houses three institutes:

Departments

- Bioengineering
- Chemical Engineering
- Civil Engineering
- Electrical and Computer Engineering
- Mechanical Engineering
- Mining and Materials Engineering

Schools

- The Peter Guo-hua Fu School of Architecture
- Urban Planning

Institutes

- Trottier Institute for Sustainability in Engineering and Design (TISED)
- McGill Institute for Advanced Materials (MIAM) (established by the Faculties of Engineering and Science)
- McGill Institute for Aerospace Engineering (MIAE)

Undergraduate programs leading to professional bachelor's degrees are offered in all Engineering departments. These programs are designed to qualify graduates for immediate employment in a wide range of industries and for membership in the appropriate professional bodies. The new Bachelor of Global Engineering program is not currently accredited. Additionally, a non-professional undergraduate degree is offered in the School of Architecture for those who plan to work in related fields not requiring professional qualification.

The curricula are structured to provide suitable preparation for those who plan to continue their education in postgraduate studies either at McGill or elsewhere. The professional degrees in Architecture and Urban Planning are offered at the master's level.

The academic programs are divided into required and complementary sections. The required courses emphasize basic principles which permit graduates to keep abreast of progress in technology throughout their careers. Exposure to current technology is provided by the wide variety of complementary courses which allow students to pursue a particular interest in depth.

The **Engineering Internship Program** provides engineering students with the opportunity to participate in four-, eight-, twelve-, or sixteen-month paid work experiences. In addition, co-op programs are offered in Mining Engineering, Materials Engineering, and Software Engineering.

Graduate and postgraduate programs leading to master's and doctoral degrees are offered in all sectors of the Faculty. Numerous areas of specialization are available in each of the departments and schools. All postgraduate programs, including the professional degree programs in Architecture and in Urban Planning, are described on the Faculty of Engineering's Graduate Studies (p. 1) page.

Departments, Schools, and Institutes

- Architecture
- Bioengineering
- Chemical Engineering
- Civil Engineering
- Electrical and Computer Engineering
- Mechanical Engineering
- Mining and Materials Engineering
- Trottier Institute for Sustainability in Engineering and Design (TISED)
- Urban Planning