

ENGINEERING

About the Faculty of Engineering

The Faculty of Engineering aims to contribute to the advancement of learning and to the socioeconomic development of Quebec and Canada, through teaching and research activities at the highest international standards of quality.

Goals:

- To prepare graduates for productive professional careers through the delivery of accredited bachelor's programs;
- To train students through focused professional programs to attain the forefront of their fields;
- To perform research and other scholarly activities which achieve international recognition;
- To ensure that technological innovations developed through research are transferred to industry; and
- To provide a stimulating environment for teaching, learning, and research.

In this section, you will find up-to-date information about the Faculty and about the undergraduate programs and courses it offers. Graduate Studies in the Faculty of Engineering is also offered by McGill.

You will find information on the following topics (and others):

- Degrees and Requirements for Professional Registration
- Student Activities
- Internships and Co-ops
- Undergraduate Programs and Courses
- Minor Programs for students in the Faculty of Engineering

For regulations that are specific to undergraduate studies in the Faculty of Engineering, see University Regulations and Resources (Undergraduate) and watch for sections and notes that are specific to the Faculty of Engineering.

Faculty Structure

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)

The Faculty serves approximately 3,500 undergraduate students and 1,200 graduate students in a wide variety of academic programs.

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. For program details and requirements, refer to the graduate-level Faculty of Engineering page.

The **Engineering Internship Program** provides engineering students with the opportunity to participate in four-, eight-, twelve-, or sixteen-month paid work experiences. Details can be found on the Engineering Career Centre page. 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 page.

Academic Units

- Architecture
- Bioengineering
- Chemical Engineering
- Civil Engineering
- Electrical and Computer Engineering
- Global Engineering
- Mechanical Engineering
- Mining and Materials Engineering
- Urban Planning

Location

Faculty of Engineering

Macdonald Engineering Building
817 Sherbrooke Street West
Montreal QC H3A 0C3
Website: mcgill.ca/engineering

The **McGill Engineering Student Centre** (~~MESC~~), (Student Affairs Office, Career Centre, Peer Tutoring Services) and the **Office of the Associate Dean (Student Affairs)** are located at the following address:

3450 University Street

Montreal QC H3A 0E8

Frank Dawson Adams Building, Suite 22

Telephone: 514-398-7257

McGill Engineering Student Centre website: mcgill.ca/engineering/students/undergraduate/mesc