



DEPARTMENT OF MECHANICAL ENGINEERING

McGill University's Department of Mechanical Engineering has a long history of excellence in research and teaching. For more than a century, the department has been committed to training the next generation of innovators, industrial leaders and academics. Its outstanding professors, students and alumni have earned world-wide recognition for their expertise in engineering. In 2012, the QS World University Rankings and the US News and World Report ranked McGill University the best university in Canada for Mechanical, Aeronautical and Manufacturing Engineering.

Program Information

Master of Engineering (MEng Thesis) or Master of Science (MSc Thesis)

- **Admission requirements:** MEng applicants must have a recognized undergraduate degree in Engineering or Applied Science or a closely related field. MSc applicants must hold an undergraduate degree in a non-engineering discipline (i.e. Physical Sciences). Applicants must have a minimum 3.3/4.0 cumulative grade point average.
- **Program length:** Full-time for 18-24 months (45 credits), which includes graduate coursework (16 credits), a research thesis (28 credits) and a research seminar (1 credit).

Master of Engineering (MEng Non-Thesis)

- **Admission requirements:** Recognized undergraduate degree in Engineering or Applied Science or a closely related field, with a 3.3/4.0 cumulative grade point average.
- **Program length:** Full-time for 18-24 months or part-time up to 60 months (45 credits) which includes graduate courses (32 credits), a design project (12 credits) and a research seminar (1 credit).

Master of Engineering in Aerospace Engineering (MEng)

This degree is offered in conjunction with Concordia University, École Polytechnique de Montréal, Université Laval and Université de Sherbrooke. Students specialize in either: (i) Aeronautics and Space Engineering; (ii) Structures and Materials; or (iii) Avionics and Control.

- **Admission requirements:** Recognized undergraduate degree in Engineering or Applied Science or a closely related field, with a 3.3/4.0 cumulative grade point average. Applicants should be fluent in French.
- **Program length:** Full-time for 18 months (45 credits), which includes core courses (12 credits), a combination of discipline specific courses, an internship or a project (33 credits). Students are required to take two courses from two other institutions.

Doctor of Philosophy (PhD)

- **Admission requirements:** Recognized Master's degree in Engineering or the Physical Sciences, with a 3.3/4.0 cumulative grade point average. Highly qualified BEng or BSc graduates may gain direct entry into the first year of the doctoral program.
- **Program length:** Full-time for approximately 3-4 years. Students must complete a Qualifying Exam, Research Proposal, Research Seminar and Doctoral Thesis and Defence.

Admission Deadline

- For fall or summer entry, January 15 for both domestic and international students.
- For winter entry, September 1 for international students and October 15 for domestic students.

Research Areas

- Aerodynamics and Fluid Mechanics
- Bioengineering
- Combustion and Energy Systems
- Design and Manufacturing
- Dynamics and Control
- Materials and Structures
- Vibrations, Acoustics, and Fluid-Structure Interaction

Note: Applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree at a recognized foreign institution where English is the medium of instruction, may be required to submit proof of competency in oral and written English (i.e. TOEFL or IELTS).

Contact

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Engineering

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