BIOLOGICAL AND BIOMEDICAL ENGINEERING

About Biological and Biomedical Engineering

Biological and Biomedical Engineering (BBME) is an interfaculty graduate program administered jointly by the Departments of Bioengineering (Faculty of Engineering) and Biomedical Engineering (Faculty of Medicine and Health Sciences) at McGill. Interdisciplinary in nature, the program includes extensive research areas and broad training, with over 60 world-renowned scientists, and equips students for promising careers in industry, healthcare, academia, and government. Researchers in this field unravel the molecular and physiological mechanisms of life, develop increasingly advanced technologies to transform healthcare, and reverse-engineer naturally occurring biological processes. Graduates of the BBME program are poised to play a critical role in shaping our global future.

Please consult our website for additional information.

Research Domains

Ongoing biological and biomedical engineering research at McGill includes:

- artificial cells and organs
- bioinformatics, computational biology, and biocomputation
- biological materials and mechanics
- biomedical imaging and microscopy
- biomedical modelling
- biomedical sensors, diagnostics, and therapeutics
- biomedical signals and systems
- biomolecular and cellular engineering
- bioprocess engineering
- micro- and nano-bioengineering
- systems and synthetic biology

Biological and Biomedical Engineering Admission Requirements and Application Procedures

Admission Requirements

For up-to-date admission requirements, please consult mcgill.ca/bbme/prospective-students/how-apply and Admission Requirements (Minimum Requirements to be Considered for Admission).

Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/how-apply.

See the Application Procedures page for detailed information.

Please address enquiries directly to info.bbme@mcgill.ca (Thesis option); biomfg.bbme@mcgill.ca (Non-Thesis option).

Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Biological and Biomedical Engineering Graduate Program and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program. For additional information, please consult mcgill.ca/bbme/prospective-students/how-apply.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

Note for Thesis Option: Applications for Summer term admission will not be considered.

Note for Non-Thesis Option: Applications for Winter and Summer term admission will not be considered.

Available Programs

- Biological and Biomedical Engineering (Non-Thesis) (M.Eng.) (45 credits)
- Biological and Biomedical Engineering (Ph.D.)
- Biological and Biomedical Engineering (Thesis) (M.Sc.) (45 credits)
- Biological and Biomedical Engineering - Biomanufacturing (Non-Thesis) (M.Eng.) (45 credits)

For more information on Biological and Biomedical Engineering graduate offering, please consult the Program Offerings website.

Location

Duff Medical Building
3775 University Street, Room 316
Montreal QC H3A 2B4
Canada
Website: mcgill.ca/bbme