

# Bachelor of Technology (B.Tech.): Advanced Entry from College

- Enter into Year 3 of McMaster University's B.Tech. Degree Completion Program
- Part-time and full-time study options
- Evening and weekend courses are ideal for working technologists



# About B.Tech.

The W. Booth School of Engineering Practice and Technology offers the Bachelor of Technology (B.Tech.) Degree Completion Program in response to today's industry needs.

Our unique "diploma to degree" program is tailor-made for college graduates wishing to upgrade their education and further their careers. All eligible program entrants receive two years' worth of advanced credit from their previously completed college diploma or university degree.

A flexible evening and weekend schedule runs for 12 months of the year, giving students the option to work full-time while completing the program. Online courses for the Software Engineering Technology stream and Business Management curriculum offer a "learn from home" option.\*

Post-graduate pathways for B.Tech. grads include master's and doctoral programs in engineering or business. Additional professional and educational pathways are available for your continued learning and success.

Students of the program have found that, with a four-year university degree, there is a greater opportunity for promotion to management level positions, as well as a more direct path towards gaining a Professional Engineer (P.Eng.) licence. Graduates are ideal candidates for engineering, project management, and supervisory roles that require a technical background.

*\* All exams are written at McMaster University.*



## Co-op

B.Tech. students apply what they have learned in the classroom during paid co-op work terms. Eight months of co-op work are required for graduation from the program. Students who have completed college work terms or who have work experience in a related field can be assessed for a waiver.



"The B.Tech. program made me a better engineer and a more attractive candidate for master's degree studies. Not only did I understand how things work, but it gave me a deeper understanding of why things work."

Tim, Manufacturing Engineering Technology



"I really enjoy the quality of the courses. They have a lot of variety in them. I'm able to take Manufacturing-based courses as well as the more soft skill courses in business and management which, in the end, will really help me be able to excel in my career."

Whitney, Manufacturing Engineering Technology

# Choose one of four streams:

## Civil Engineering Infrastructure Technology

Learn about the inspection, repair and rehabilitation, as well as decision-making and asset management, of various infrastructures from both the technical and managerial points of view.

Seventeen core technical courses cover advanced curriculum in math, materials, fluids, structural analysis and design, municipal hydraulics, environmental impact and sustainability, and geotechnical engineering. Seven management courses complement your studies.

Graduates commonly work in the residential and ICI sectors, for the government at all levels, and in private sector consulting and sales.

### ELIGIBLE COLLEGE PROGRAMS

An Advanced Diploma (or equivalent) in:

- Architectural Technology
- Civil Engineering Technology
- Construction Engineering Technology

## Power & Energy Engineering Technology

Learn about protection and control, energy management, power quality, and renewable energy technologies such as biomass, fuel-cells, geothermal, solar, and wind from both technical and managerial points of view.

Seventeen core technical courses cover advanced math, electricity and electronics, control theory, thermal fluids, as well as power generation, distribution, quality, protection, and maintenance. Seven management courses complement your studies.

Graduates commonly work in the energy utility industry, in the energy product manufacturing industry, for renewable energy integrators, and for governmental bodies at all levels.

### ELIGIBLE COLLEGE PROGRAMS

An Advanced Diploma (or equivalent) in:

- Electrical Engineering Technology
- Electro-Mechanical Engineering Technology
- Electronics Engineering Technology
- Energy Systems Engineering Technology
- Mechanical Engineering Technology

## Manufacturing Engineering Technology

Learn about manufacturing process planning and improvement, structure design and analysis and system control and analysis from both technical and managerial points of view.

Seventeen core technical courses cover advanced math, fluids, materials, thermodynamics, metal forming, fabrication and micro manufacturing, quality control and assurance, programming, and lean manufacturing. Seven management courses complement your studies.

Graduates commonly work in the industrial fields such as automotive, aerospace or energy, and often work with ultra-precision and medical devices.

### ELIGIBLE COLLEGE PROGRAMS

An Advanced Diploma (or equivalent) in:

- Chemical Engineering Technology
- Electro-Mechanical Engineering Technology
- Manufacturing Engineering Technology
- Mechanical Engineering Technology

## Software Engineering Technology

Learn about the design, development, and deployment of computing systems in the software products and computing infrastructure areas from both technical and managerial points of view.

Seventeen core technical topics include mathematics, software design and testing, database management, networking, security, computer architecture, and advanced programming concepts such as parallel software architectures and real-time systems. Seven management courses complement your studies.

Graduates commonly work to create and manage computing systems to support a wide range of application such as finance, telecommunications, manufacturing, e-commerce and healthcare.

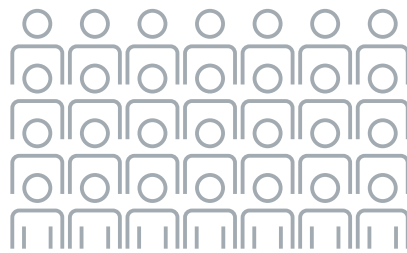
### ELIGIBLE COLLEGE PROGRAMS

An Advanced Diploma (or equivalent) in:

- Computer Systems/Engineering Technology
- Computer Programmer/Analyst
- Electrical Engineering Technology
- Electronics Engineering Technology

**New:**  
Online course  
options available  
in Fall 2017

Average  
lecture size is  
28 students.



Students study **7** management courses  
in an **online** format, including:

- Engineering Economics
- Technology Ethics and Sustainability
- Financial Systems
- Management Principles
- Project Management
- Two electives of your choice



24 courses  
are required to  
complete your  
B.Tech. degree.



# Apply Now!

1

## VERIFY YOUR ELIGIBILITY

An advanced diploma (or equivalent) in a related field with a minimum cumulative average of 75% is required.

2

## APPLY AT [WWW.OUAC.ON.CA](http://WWW.OUAC.ON.CA)

The OUAC application code is MET.

3

## SUBMIT YOUR DOCUMENTS

Send official transcripts for ALL college and/or university education. Then submit the Supplementary Form found on the B.Tech. website.

- Applicants with solely international credentials must submit their transcripts for evaluation to **WES.org**
- For more information about McMaster University's International Student Services please visit **iss.mcmaster.ca**
- If you do not meet the grade requirement, please contact us regarding an alternate pathway.
- If you attended an Ontario College or University, request that your official transcripts be sent directly to McMaster. High school transcripts are not required.