

Bridging into the B.Eng.-Mechanical Systems Engineering (MSE) at Conestoga College

- Earn a degree in engineering
 - 2 or 3 years completion
 - Co-op experience
 - Project-based learning
- Fully accredited by the Canadian Engineering Accreditation Board – [Engineers Canada](#)
- Become a professional engineer with [PEO](#)

Bridging Opportunities for 3 Year Mechanical Technology (Advanced) Diploma Programs:

- Must have a minimum 75% (GPA 3.5) average in your diploma (recommendations regarding upgrading available upon request)
- Must have a university/college level calculus course including differential and integral calculus completed as part of the diploma program or prior to the bridging term (e.g. MATH2130 offered at Conestoga during the May – August semester or MATH2400 offered by Continuing Education, Technical Calculus I offered online by OntarioLearn)
- A transcript analysis may show that other courses may be required to be completed prior to the start of the bridging semester.

General Time-frame

During September YY-1 to mid-March YY (YY= year of the bridging module start):

1. Apply to the B.Eng.-MSE program directly through Conestoga Registrar, Program Application (for Conestoga students only) or through [OCAS](#) (for students from other colleges); **the application deadline is March 30th YY. For the appropriate MSE level for which to apply, see Table 1 at the end of the document.**
2. Send Resume for analysis to the Admissions Officer, Cheri Atkins catkins@conestogac.on.ca. Transcripts for applicants from other colleges must be requested through [OCAS](#) with your application. Conestoga College students are not required to submit transcripts.

During May YY:

3. Interview with the Pathway Admission Panel (two MSE faculty and the Program Coordinator).
4. Candidates interviewed will be contacted by the interview panel indicating whether their application has been successful and indicating academic conditions that must be satisfied prior to beginning the fall bridging semester.

5. Register in any spring-term courses indicated as a condition for registration in the fall bridge term.

During June YY to July YY

Register in the bridging courses and pay the fees following the information received via e-mail. Contact Conestoga Registrar's office, hmayr@conestogac.on.ca.

The bridging term courses are delivered September to December YY. Please note that depending upon the transcript analysis, a student may be required to bridge either into level 4 or into level 7 of MSE in the winter term (YY+1). Depending upon the resume analysis or the previous Co-op experience, a student may be required to complete co-op work term(s) at the end of the program (to graduate from MSE three co-op work-terms are required).

Financial Details:

The B.Eng.-MSE program is eligible for OSAP funding. The 4 Month Bridge Module is NOT eligible for OSAP. The average cost of the Bridge is \$3,100. (2018 figure), however this varies based on the number of assigned courses.

Laptop Computer Requirement:

The B.Eng.-MSE program is a laptop program and students will be required to have a laptop based on program specifications prior to the program start in September. More information is available on the [college website](#) – updated before the start of the fall term each year.

Core Bridging Courses (subject to change depending on transcript analysis):

1. Introduction to Chemistry (if Chemistry was not taken in High School)
2. Chemistry
3. Advanced Calculus
4. Numerical Methods
5. Linear Algebra
6. Project Management Methods & Tools
7. Physics
8. Physics – Mechanical

Exemptions may apply. Additional courses, depending on your background, will be evaluated based on a transcript analysis.

Contact Information:

B.Eng.-MSE Program Coordinator

Andrew Campbell, P.Eng.

acampbell@conestogac.on.ca

(519) 748-5220 x2233

B.Eng.-MSE Program Coordinator

Florin David, P. Eng.

fdavid@conestogac.on.ca

(519) 748-5220 x2288

Admissions Officer – Conestoga College

Cheri Atkins

catkins@conestogac.on.ca

(519) 748-5220 x3657

Marketing Liaison Officer – to request a tour of the Program

Jason Humphrey

jwhumphrey@conestogac.on.ca

(519) 748-5220 x2305

College	Program	Bridge Period	B.Eng.-MSE Application Level Entered (Winter YY+1)
Conestoga College	Mechanical Engineering Technology: Design and Analysis	4 months	7
Conestoga College	Mechanical Engineering Technology: Robotics and Automation	4 months	4
Conestoga College	Mechanical Engineering Technology: Automated Manufacturing	4 months	4
Algonquin College	Mechanical Engineering Technology	4 months	7
Humber College	Electromechanical Engineering Technology	4 months	4
Humber College	Mechanical Engineering Technology	4 months	4
George Brown College	Mechanical Engineering Technology Design	4 months	4
George Brown College	Electromechanical Engineering Technology: Building Automation	4 months	4
Mohawk College	Mechanical Engineering Technology	4 months	7
Niagara College	Mechanical Engineering Technology	4 months	7
Sheridan College	Mechanical Engineering Technology	4 months	7
Sheridan College	Electromechanical Engineering Technology	4 months	7
Sheridan College	Mechanical Engineering Technology Design and Drafting	4 months	4
Centennial College	Mechanical Engineering Technology (Design)	4 months	4

Table 1: Existing Pathways into B.Eng.-MSE