Sheridan

Mechanical Engineering Technology

OPTIONAL COOP

Ontario College Advanced Diploma | 3 years
Davis Campus (Brampton)

Learn job-specific skills and gain real-world experience.

Specialize your mechanical engineering knowledge

After building a strong foundation of mechanical engineering knowledge in your first two years, you'll be exposed to more specialized subjects in your final two semesters. An understanding of niche concepts such as mechanical design, machine kinematics and dynamics, programmable controllers, fluid mechanics and energy systems may lead to better career opportunities when you graduate.

Gain real-world experience and build connections

Sheridan's labs simulate the workplace, but there's no substitute for real-world experience. Put your new mechanical engineering skills to work for our industry partners in two paid co-op terms: one after your third semester and another in your third year of studies. You'll also work with peers on capstone research and applied research projects that help our partners resolve real-world issues.

Earn credits towards your degree and other certification

Want to take your education to the next level? As a graduate of this program, you may be able to transfer into the third year of Sheridan's Bachelor of Mechanical Engineering degree (some bridge courses will be required). You'll also have completed all the academic requirements for personal certification with the Ontario Association of Certified Engineering Technicians and Technologists (OACETT).

Career Opportunities

An advanced diploma in mechanical engineering can create opportunities that a two-year diploma might not provide. Employers value the co-op experience and specialized knowledge you gain in your third year of studies.

YOU MIGHT QUALIFY FOR MORE ADVANCED ROLES IMMEDIATELY AFTER GRADUATION, SUCH AS:

Mechanical Designer	HVAC Technologist
Automotive Designer	Advanced Manufacturing Technologist
Aerospace Engineering Technologist	Power Generation Engineering and Design
Process Control Technologist	Product Developer and Researcher

Courses

SOME OF THE COURSES YOU CAN EXPECT TO TAKE IN YOUR PROGRAM

Programmable Controllers	Engineering Sustainability
Energy Systems	Additive Manufacturing and Robotics
Dynamics of Machines and Mechanical Vibrations	HVAC

How to apply:
5 easy steps

1. Find your program
2. Check the admission requirements
3. Apply online
4. Submit your documentation
5. Accept your offer

Ready to get started?
sheridancollege.ca/apply

Visit us!

Come say hello and get a feel for your future! We offer:

- Campus tours (in-person & virtual)
- Open Houses in the Spring and Fall
- Weekly webinars
- Career Advising Workshops

sheridancollege.ca/future-students

Admission Requirements

Program Eligibility

Ontario Secondary School Diploma or equivalent, including these required courses:

- One English, Grade 12 (ENG4C or ENG4U)

plus

- One Math Grade 12 (U) or Math Grade 12 Mathematics for College Technology (MCT4C) or Math Grade 11 Functions (MCR3U) or Functions and Applications (MCF3M)

or

Mature student status.

Applicants who do not meet the admission requirements will be invited to complete pre-admission tests in mathematics and English. Applicants asked to take the test are considered for admission to Term 1 contingent on receiving a minimum grade of 60% in both the pre-admission mathematics/English tests.

Applicants lacking the Mathematics admission requirement for this program may wish to upgrade their Mathematics prior to application. For upgrading information, please contact us.

Applicants may also consider applying to our Technology Fundamentals program. Successful completion of this program will meet the Mathematics requirement and will provide a broader sense of the Science and Technology fields.

Applicant Selection

Eligible applicants will be selected on the basis of their previous academic achievement (the average of their six highest senior-level credits, including required courses), and/or results of pre-admission testing.

Applicants who do not meet the admission requirements for this program may be advised individually regarding other related programs.

English Test

All applicants whose first language is not English must meet Sheridan's English proficiency requirements.

Refer to the website for full admission requirements.