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Mechanical Engineering Technician

Ontario College Diploma | 2 years

Get a well-rounded education designed for modern industrial jobs.

Build a broad foundation in mechanical engineering

Gain the fundamental knowledge needed to work in the field of mechanical engineering! In addition to basic math and science, you'll study advanced subjects such as calculus, machine kinematics, fluid power, process controls and industrial practices. Learn about the latest equipment and technologies, including programmable logic controllers, materials testing and additive manufacturing.

Job-specific skills

Sheridan's mechanical engineering diploma classes are designed to give you a taste of the real world. Develop job-specific skills working in our laboratory environment, under close supervision from professors with extensive industrial experience. You'll also have the chance to work with our industry partners on various applied research projects.

Keep your options open

Each of our mechanical engineering programs share a common first year, allowing you to easily transfer into design and drafting or electromechanical specializations. After your second year, you can either enter the workforce or go into the third year of Sheridan's Mechanical Engineering Technology advanced diploma, which offers a pathway into our Mechanical Engineering four-year degree.

Career opportunities

In just two years, you could be qualified to do mechanical engineering work in many different areas of industry and manufacturing. Potential jobs include:

Recent graduates moved into the following careers:

- Plant Operations
- Quality Control Technician
- Production Technician
- Process Control Technician
- Product Development and Testing Technician
- Computer-assisted Manufacturing (CAM) Technician

Courses

Some of the courses you can expect to take in your program

- Applied Electricity
- Mechanical Manufacturing Process
- Electro-Pneumatics
- Motors and Controls
- Mechanical Power Transmission

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 language proficiency

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

Refer to the website for full admission requirements.

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

International students

Find out more about...

- Post-graduation work permit (PGWP) eligibility
- Admission requirements
- English language proficiency requirements
- Fees and financial aid
- Provincial Attestation Letters (PALs)

sheridancollege.ca/international