

Sheridan

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Electromechanical Engineering Technology

Ontario College Advanced Diploma | 3 years



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Enhance your expertise in automation and robotics technology.

Learn advanced skills in automation and robotics

As an electromechanical engineering technologist, you'll have a deeper understanding of automation and robotics than graduates of our two-year Electromechanical Engineering Technician program. Enhance your knowledge with courses in programmable logic controllers, robotic programming and applications, electropneumatics, fluid power, HVAC, computer integrated manufacturing, 3D modelling and more.

Showcase your abilities through a capstone project and optional co-op

Prove yourself to employers before you even graduate! In your final semester, you'll work with fellow engineering students on a capstone project that provides solutions for our industry partners. You can also apply for a paid co-op work placement that provides one year of real-world experience. Some of our students have been hired as a direct result of their capstone or co-op participation.

Earn credits towards your degree or other certifications

As a graduate of this program, you'll have completed all the academic requirements for professional certification with the Ontario Association of Certified Engineering Technicians and Technologists (OACETT). You may also be able to transfer into the third year of Sheridan's Bachelor of Mechanical Engineering degree (some bridge courses will be required) or degree programs at other universities.

Career opportunities

Electromechanical engineering brings together the concepts and principals of both electrical and mechanical engineering. Most modern engineering products rely on the concepts from both of these engineering fields.

As a graduate of this program, you may be qualified for roles such as:

- PLC Programmer
- Robotics Programmer
- Electromechanical Systems Designer
- CAD Designer
- Maintenance Technologist
- Building Automation Technologist
- Engineering Systems Installation and Troubleshooting Specialist
- Electromechanical Sales and Marketing

Courses

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

- Programmable Logic Controller Applications
- Robotic Applications
- HVAC
- Systems Integration
- Computer Integrated Manufacturing
- Engineering Capstone Project

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

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.