

FACULTY OF APPLIED SCIENCE & TECHNOLOGY

# Electromechanical Engineering Technology

This three-year advanced diploma allows you to specialize your skills, work with industry partners and gain real-world experience.

94%

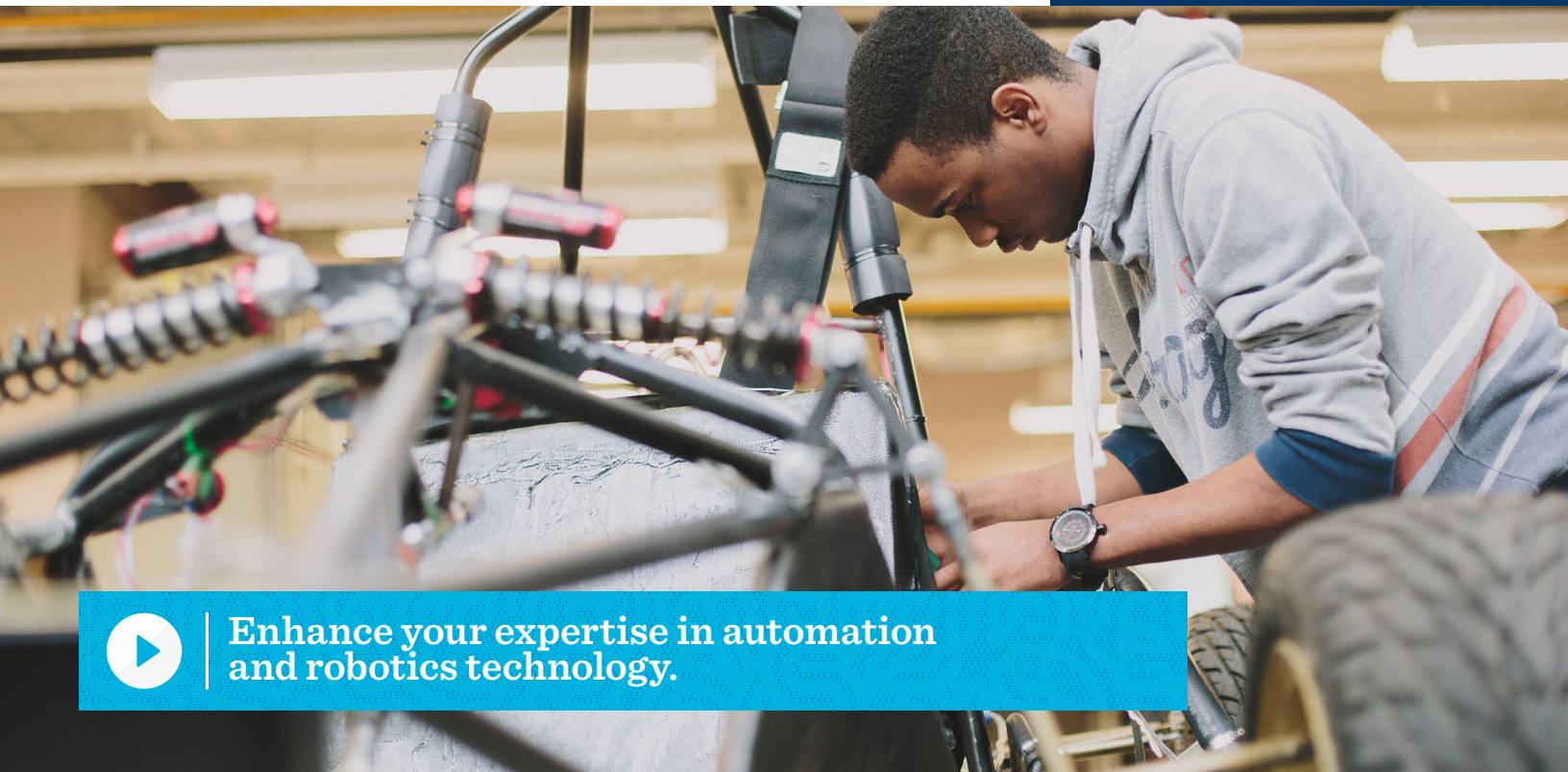
**Employer Satisfaction\***

with the knowledge and skills that our graduates possess.

**Ontario College Advanced Diploma**

**Program Code:** PEMTY

Full-time | Davis Campus | 3 yrs (6 semesters)



**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.

Browse our student project gallery for examples of student work and research by visiting the thinkFAST Capstone project webpage.

## 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.

## Admission Requirements

### Program Eligibility

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

- One English, Grade 12 (ENG4C or ENG4U)

plus

- Grade 12 Mathematics for College Technology (MCT4C) or Grade 11 Functions (MCF3M) or Grade 11 Functions and Relations (MCR3U) or any Grade 12 (U) mathematics

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 will be assessed and advised individually and may be considered for 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.

## 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

Note: See website for specific terms and course listings.

## More information



**Website:**  
[sheridancollege.ca](http://sheridancollege.ca)



**Facebook:**  
[facebook.com/sheridaninstitute](https://facebook.com/sheridaninstitute)



**Twitter:**  
[@sheridancollege](https://twitter.com/sheridancollege)



## Visit us!

There's no better way to get a sense of Sheridan than with a personal visit. Book a tour and see for yourself!



[tours.sheridancollege.ca](http://tours.sheridancollege.ca)