

FACULTY OF APPLIED SCIENCE & TECHNOLOGY

# Computer Engineering Technician

This two-year diploma blends computer software skills with engineering technology and knowledge.

94%

**Employer Satisfaction\***  
with the knowledge and skills that our graduates possess.

**Ontario College Diploma**

**Program Code: PCPEN**

Full-time | Davis Campus | 2 yrs (4 semesters)



Identify and solve software and hardware challenges.

## Develop a valuable and versatile skillset

Software and hardware skills taught in this program are valued by employers and can be applied in a wide variety of fields. First, you'll study basic concepts that are relevant to both electronics and computer engineering. You'll then learn more specialized skills and tools, including:

- Programming
- Operating systems
- Programmable logic devices
- Microprocessors and microcontrollers

## Hands-on learning opportunities

Put your new skills to the test and gain experience using cutting-edge technology in the labs of our state-of-the-art Centre for Advanced Manufacturing and Design. There, you'll work with and be inspired by students and professors from our entire suite of engineering programs, including our Mechanical Engineering and Electrical Engineering degrees.

## Work towards your technology credential

As a Computer Engineering Technician graduate, you can either enter the workforce or go directly into the final year of our Computer Engineering Technology advanced diploma program. You'll also have completed all the academic requirements for professional certification with the Ontario Association of Certified Engineering Technicians and Technologists (OACETT).

## 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 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.

## Career Opportunities

Computer engineering skills can lead to employment in a variety of industries. Your understanding of programming, circuits, electronics and embedded systems would be valuable in roles such as:

Application Support

Hardware/Software Sales Representative

Computer Network Technician

Hardware/Software Support Technician

Computer Service Technician

IT Helpdesk Analyst

## Courses

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

Analog and Digital Circuits

Java and C Programming

Electronic computer aided design (CAD)

Linux / Unix Operating Systems

Electronic Devices and Circuits

Microprocessors

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](https://tours.sheridancollege.ca)