

Sheridan

Computer Engineering Technician – Artificial Intelligence

Ontario College Diploma | 2 years
Davis Campus (Brampton)



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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 additional certification

As a Computer Engineering Technician graduate, you'll have completed all the academic requirements for professional certification with the Ontario Association of Certified Engineering Technicians and Technologists (OACETT).

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
- Computer Network Technician
- Computer Service Technician
- Hardware/Software Sales Representative
- Hardware/Software Support Technician
- IT Helpdesk Analyst

Courses

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

- Analog and Digital Circuits
- Electronic computer aided design (CAD)
- Electronic Devices and Circuits
- Java and C Programming
- Linux / Unix Operating Systems
- Microprocessors

Fees

Fees displayed are for the first 2 academic semesters and include tuition, health insurance and ancillary charges. These are estimates only; subject to change. See website for details.

For Canadian students

- \$5,406.15 CAD

For international students

- \$20,363.95 CAD

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)
- 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

If you're at least 19 years old and missing any of the requirements above, you can meet these requirements by applying as a mature student. Mature students may be required to complete tests in English, math and/or science or take a FREE preparatory course through Sheridan's Academic Upgrading program.

Pre-admission testing and upgrading: 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 through Sheridan's FREE Academic Upgrading program prior to application.

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.