Sheridan

Computer Systems Technician – Software Engineering

Ontario College Diploma | 2 years

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Learn to build computer applications — and build a great career.

The 4 cores of software engineering

In this program, you'll concentrate on four core areas of software engineering:

- Programming and software development in Java, C and C#
- Web technologies and web application development
- Database management and administration
- Network administration and security

Competitive edge

In this program, you'll gain practical software engineering skills that give you a competitive edge in the job market. You'll study computer hardware (including Computer Architecture and Linux/Unix Operating System) and business practice, management and analysis. There's also a concentration on math that will provide you with a deeper understanding of software engineering principles.

Advanced learning opportunities

After earning a Computer Systems Technician diploma from Sheridan, many students continue their education. You can complete a third year in the Computer Systems Technology – Software Development and Network Engineering program to earn an advanced diploma. You may also be eligible to apply your diploma credits towards one of our honours bachelors degrees in applied computing.

Career opportunities

The Computer Systems Technician program is accredited by the Canadian Information Processing Society (CIPS). Careers can branch into several different areas.

Here are some sample job titles for this program:

- Database Application Developer/Administrator
- Network Administrator
- Software Application Developer
- System Administrator (Linux/Unix/Windows)
- Systems Programming
- Technical Support Technologist
- Web Application Developer
- Web Designer

Courses

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

- Applied Calculus
- Discrete Math
- Introduction to Business Software Systems
- Object Oriented Programming – Java
- Problem Solving/Programming Logic
- Web Development

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

- Any Grade 12 Math* (C or U) or Grade 11 Functions (MCF3M) or Grade 11 Functions and Relations (MCR3U) (*Applicants presenting with Math MAP4C require a minimum 70%)

or

Mature student status.

Applicants who do not meet the admission requirements will be invited to complete pre-admission tests in mathematics and/or English. Applicants asked to take the OCMA math test require a minimum 70% passing grade. See Mature student status for details.

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.