

FACULTY OF APPLIED SCIENCE & TECHNOLOGY

# Computer Systems Technology – Information Systems Engineering

Computer systems engineers are always in demand with the increasing role of technology in business.

**94%** **Employer Satisfaction\***  
with the knowledge and skills that our graduates possess.

**Ontario College Advanced Diploma**

**Program Code: PSISC**

Full-time | Trafalgar Road Campus, Davis Campus | Co-op | 3 yrs (6 semesters)

**Ontario College Advanced Diploma**

**Program Code: PSISE**



**Put technology to work for business  
– and for your career.**

## Learn the latest computing technologies

In this program, you'll build your skills and knowledge in multiple computing platforms and environments. You'll learn to apply the latest technologies to solve real-world problems with:

- iOS and Android application development
- Java, and Java Frameworks, C#, .NET and .net server development
- Web technologies and web application development
- Oracle and SQL server

## Get hands-on experience

The third year of our systems engineering program features Capstone-Based Learning (CBL), a uniquely Sheridan approach to curriculum delivery. In the Capstone course, you'll build an end-to-end application to solve a real-world problem for a client.

## Turn your diploma into a degree

After earning your Computer Systems Technology advanced diploma, you can apply to bridge into Year 3 of one of these Sheridan degree programs: Honours Bachelor of Applied Computer Science (Mobile Computing), or Honours Bachelor of Applied Information Sciences (Information Systems Security).

## 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 English. Applicants asked to take the test are considered for admission to Term 1 contingent on receiving a minimum grade of 70% 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 are selected on the basis of 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.

#### Admission at an Advanced Level (Direct Entry)

Students may apply for admission at an Advanced Level (Direct Entry) to Year 2 of this program if they have relevant credits from a university or college. Students may have to complete certain courses from Year 1 prior to graduation.

### 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

Graduates of Sheridan's Computer Systems Technology – Information Systems Engineering program find employment as systems engineers in a wide variety of industries, including: health care and pharmaceuticals, finance, manufacturing and aerospace.

### YOU MIGHT FIND A ROLE SUCH AS:

Business Analyst

Computer Programmer Analyst

IT Specialist/Analyst

Network IT Specialist

Security Analyst

Systems Administrator

Technical Analyst

Web Application Developer

## Courses

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

Data Network Design & Configuration

Interactive User Interface Design

Software Process Management

Systems Analysis and Design

Web Development

Windows and Linux / Unix Operating Systems

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)