

Sheridan

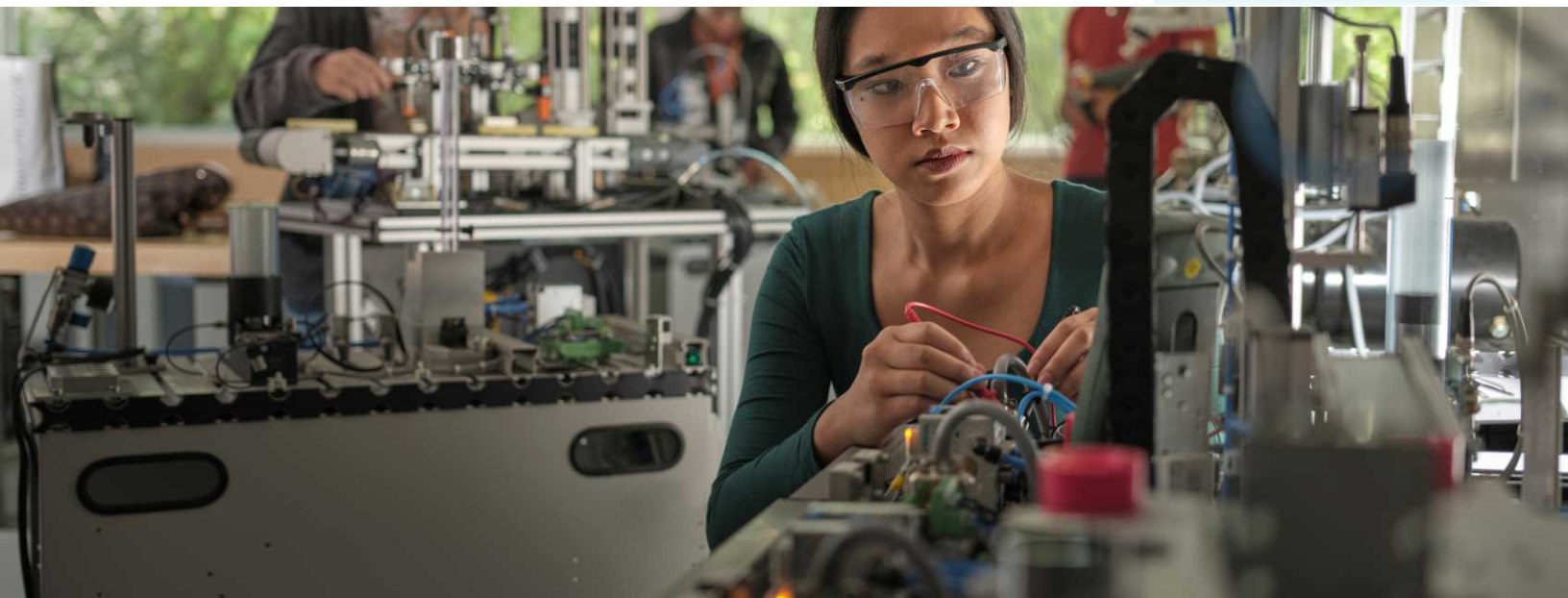
Honours Bachelor of Engineering (Electrical Engineering)

CO-OP INTERNSHIP

Honours Baccalaureate Degree | 4 years
Davis Campus (Brampton)



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Stand out from the crowd as a job-ready electrical engineering graduate.

Work towards your professional engineer (P.Eng.) designation

Sheridan's electrical engineering degree is the first Ontario college program of its kind to receive accreditation from the Canadian Engineering Accreditation Board (CEAB). Accreditation by the CEAB ensures that graduates have the academic qualifications necessary for licensure as professional engineers (P.Eng.) in Canada.

Conceive, Design, Implement and Operate

Theory is important, but so is the opportunity to put it into practice. Because our electrical engineering degree is one of the few in Canada that embrace the CDIO Initiative (Conceive, Design, Implement and Operate), you'll spend up to 50% of your class time working in labs. By using the systems you build, you'll learn what it takes to imagine and develop user-friendly solutions.

Specialize in Energy or Mechatronics

In the third and fourth years of your electrical engineering courses, you'll have the opportunity to specialize in one of two technical streams – energy or mechatronics. Our energy stream prepares you for work in the electrical utility sector. In the mechatronics stream, you'll gain the skills necessary to work in the fields of automation and instrumentation.

Career Opportunities

As a graduate of Sheridan's electrical engineering degree program, you'll be prepared to perform electrical engineering work in the energy or automation sectors.

FIELDS YOU COULD POTENTIALLY WORK IN INCLUDE:

Embedded Systems Design
Energy Generation
Instrumentation and Control
Power Systems Protection and Control

Energy Distribution
Energy Transmission
Mechatronics
Robotics

Courses

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

Power System Analysis
Intelligent Power Systems
Embedded Software Fundamentals

Alternative Energy Systems
Mechatronic System Design
Microelectromechanical Systems (MEMS)

Admission Requirements

Program Eligibility

Ontario Secondary School Diploma or equivalent, including the following required courses:

- English, Grade 12 (ENG4U)

plus

- Physics, Grade 12 (U); AND
- Chemistry, Grade 12 (U); AND
- Mathematics, Grade 12 (U) (MHF4U) Advanced Functions, AND
- Calculus and Vectors (MCV4U)

plus

- One additional Grade 12 credit at the U or M level
- Minimum 70% overall average
- Minimum 70% in each Math course

or

Two semesters of postsecondary education including required courses with a minimum 70% overall average, and 70% in each Math course.

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.

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



Visit us!

Come say hello and get a feel for your future! We offer:

- Campus tours (in-person & virtual)
- Open Houses in the Spring and Fall
- Weekly webinars
- Career Advising Workshops



sheridancollege.ca/future-students