

# Sheridan

## Honours Bachelor of Engineering (Mechanical Engineering)

Baccalaureate Degree | 4 years  
Davis Campus (Brampton)



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**Begin your path towards a career in mechanical engineering.**

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

With rapid changes in industry, companies are seeking engineering graduates who are ready to work from day one. Few engineering degrees in Canada will give you the same level of hands-on experience with industry-standard advanced technology. You'll also practice finding solutions for real-world problems in the industry and the community.

### Work with the latest mechanical engineering technology

Sheridan's labs are like no other in Ontario. Get a degree that prepares you to work with 3D printers, robotics, rapid prototyping, integrated energy systems including solar, wind, and geothermal energy, HVAC systems, water jet technology, advanced mechatronics system equipment and more. At Sheridan, we believe the best way to learn is to roll up your sleeves and get hands-on.

### Specialize in energy or mechatronics

In your third and fourth years of study, you'll specialize in one of two technical streams — energy or mechatronics. In the energy stream, you'll learn to provide environmentally and economically sustainable solutions for energy generation, distribution and usage. In the mechatronics stream, you'll learn to solve engineering problems with mechanical, electrical, computer and control engineering.

# Career Opportunities

When you graduate from this degree program, you'll be ready to perform mechanical engineering work in the energy or automation sector.

## HERE ARE SOME FIELDS YOU MAY BE ABLE TO WORK IN:

- |                          |                           |
|--------------------------|---------------------------|
| Energy engineering       | HVAC engineering          |
| Mechatronics engineering | Energy consulting         |
| Robotics engineering     | Manufacturing engineering |
| Facilities management    | Product design            |

# Courses

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

- |                                 |                            |
|---------------------------------|----------------------------|
| Capstone (Final Design) Project | Digital Systems Design     |
| HVAC Systems                    | Mechatronics System Design |
| Microcontroller Applications    | Alternative Energy Systems |

# 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 Proficiency Test

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?

[apply.sheridancollege.ca](http://apply.sheridancollege.ca)



## 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
- Appointments with Career Advisers



[experience.sheridancollege.ca](http://experience.sheridancollege.ca)