Sheridan

Honours Bachelor of Engineering (Mechanical Engineering)

Honours Baccalaureate Degree | 4 years
Davis Campus (Brampton)

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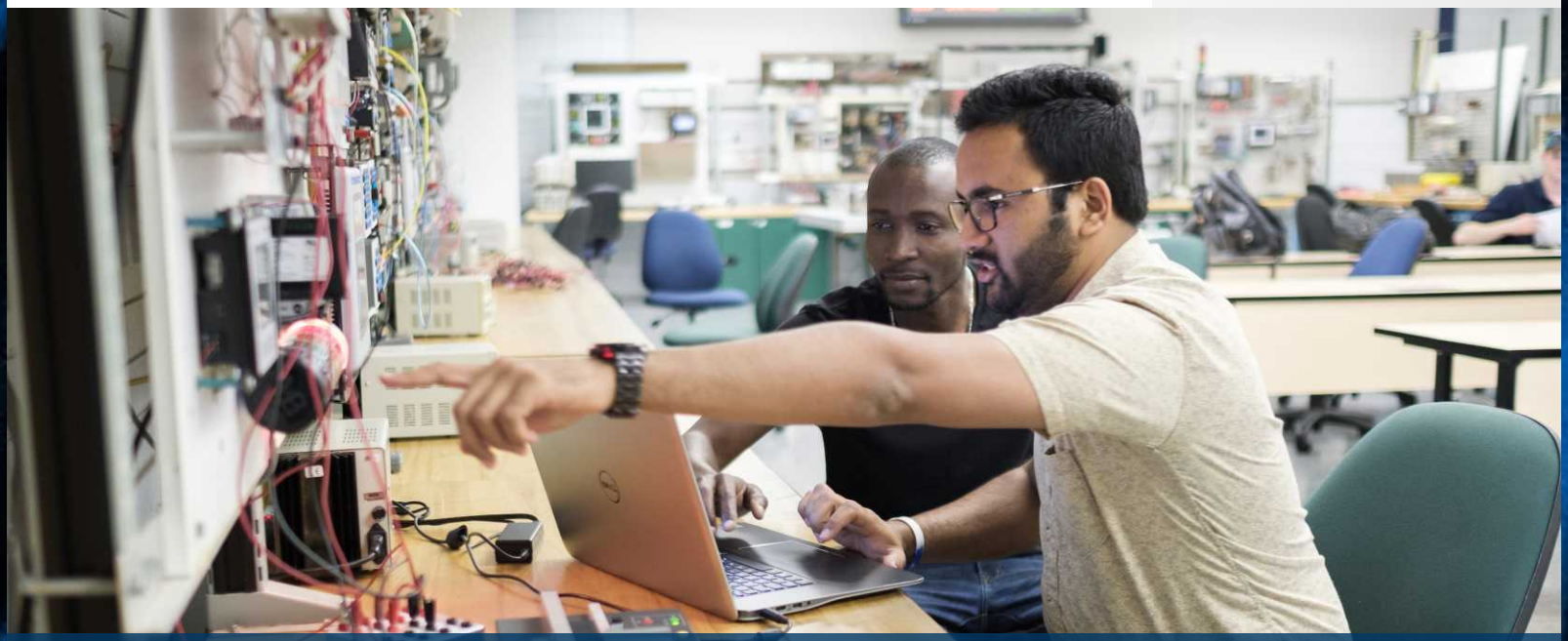

Begin your path towards a career in mechanical engineering.

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

Mechanical engineering is one of the broadest engineering disciplines and provides graduates with opportunities across a wide range of industries, including: advanced manufacturing; robotics and automation; aerospace; automotive; energy and power systems; clean and renewable energy; HVAC and building systems; mechatronics; industrial equipment design; materials and manufacturing; product development; mining and heavy equipment; biomedical devices; oil and gas; and research and development.

Here are some examples of potential careers:

- Manufacturing Engineer
- Mechanical Design Engineer
- Product Development Engineer
- Automation Engineer
- Robotics Engineer
- Mechatronics Engineer
- Project Engineer
- Mechanical Systems Engineer

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

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

- $8,864.72 CAD

For international students

- $23,242.21 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 the following required courses:

- English, Grade 12 (ENG4U)

plus

- Physics, Grade 12 (U); OR
- Chemistry, Grade 12 (U)

plus

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

plus

- Two additional Grade 12 credits at the U or M level
- Minimum 70% overall average

or

Two semesters of postsecondary education including required courses with a minimum 70% overall average.

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.