Sheridan

Mechanical Engineering Technician – Design

Ontario College Diploma | 2 years

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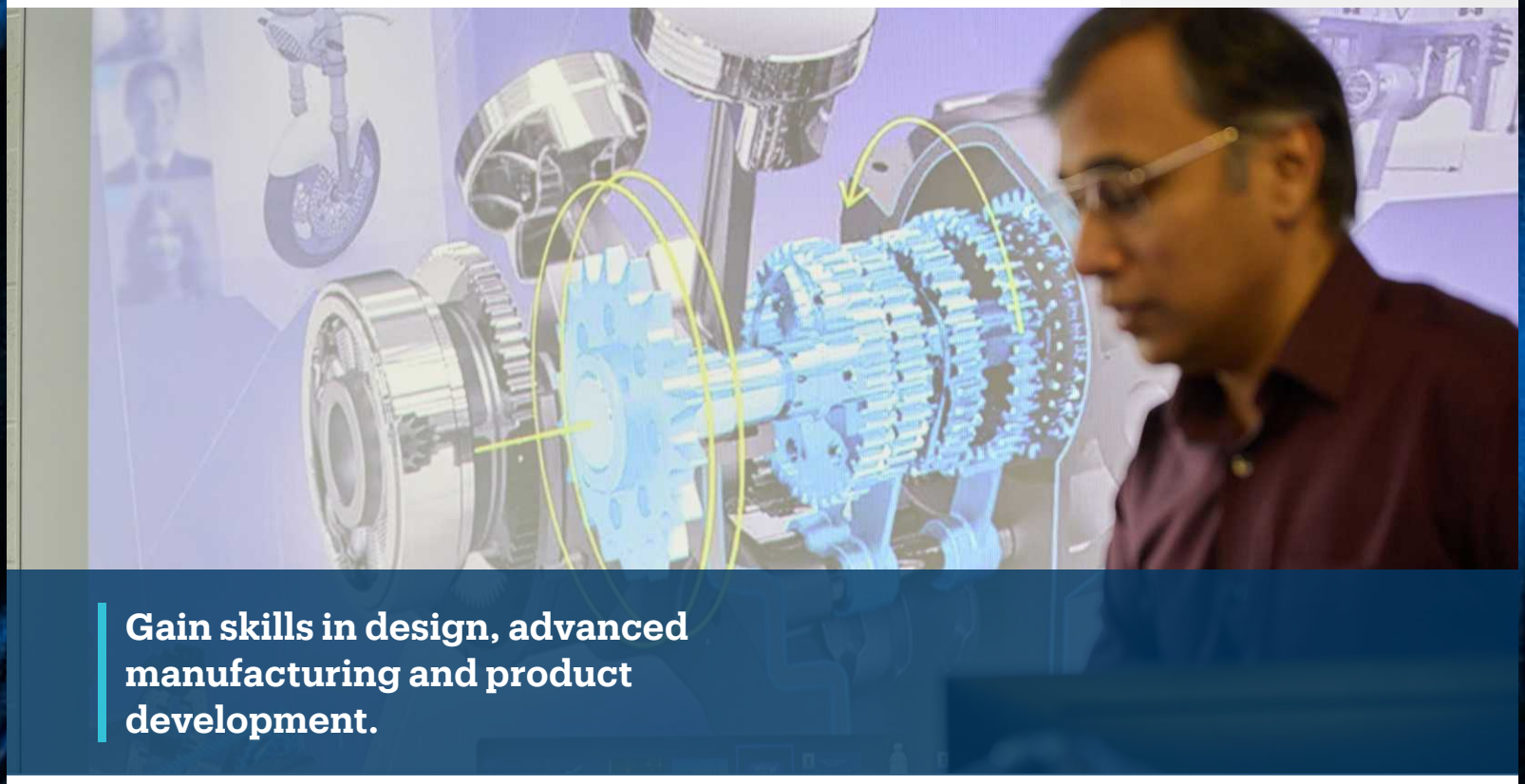

Gain skills in design, advanced manufacturing and product development.

Become job-ready in just two years

Develop mechanical design and manufacturing solutions for real-world applications. You'll study specialized design functions used in aerospace, energy, automotive, biotechnology, robotics and building facilities. You'll also gain an understanding of niche concepts like advanced CAD/CAM, VR, mould design, AI in design, FEA, jig and fixture design and additive manufacturing.

Hands-on learning and problem solving

Work on project-based assignments in labs that simulate the real world, supervised by expert professors who have decades of industrial experience! Our Centre for Intelligent Manufacturing (formerly known as the Centre for Advanced Manufacturing and Design Technologies) features the latest equipment, software and applications. Enjoy opportunities to work with our industry partners, join engineering design clubs and participate in design competitions.

Work toward your advanced diploma or other certifications

When you graduate, you can either enter the workforce or go directly into the third year of Sheridan's Mechanical Engineering Technology – Design advanced diploma program. You'll also have completed all the academic requirements for professional certification with the Ontario Association of Certified Engineering Technicians and Technologists (OACETT).

Career opportunities

Your Mechanical Engineering Technician – Design diploma can lead to a wide variety of roles in the industrial and manufacturing sectors.

You might find roles in areas such as:

- Additive manufacturing/CAD/CAM
- Mechanical engineering design and analysis
- Plant operations
- Process piping and HVAC
- Product development and testing
- Production
- Quality control
- Technical sales

Courses

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

- Additive Manufacturing
- CAD/CAM Project
- Engineering Design
- Mould, Jig & Fixture Design
- Plant Layout
- SolidWorks/CATIA/Autodesk Inventor

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

- One Math Grade 12 (U) or Math Grade 12 Mathematics for College Technology (MCT4C) or Math Grade 11 Functions (MCR3U) or Functions and Applications (MCF3M)

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 60% 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 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.