Sheridan

Scan here
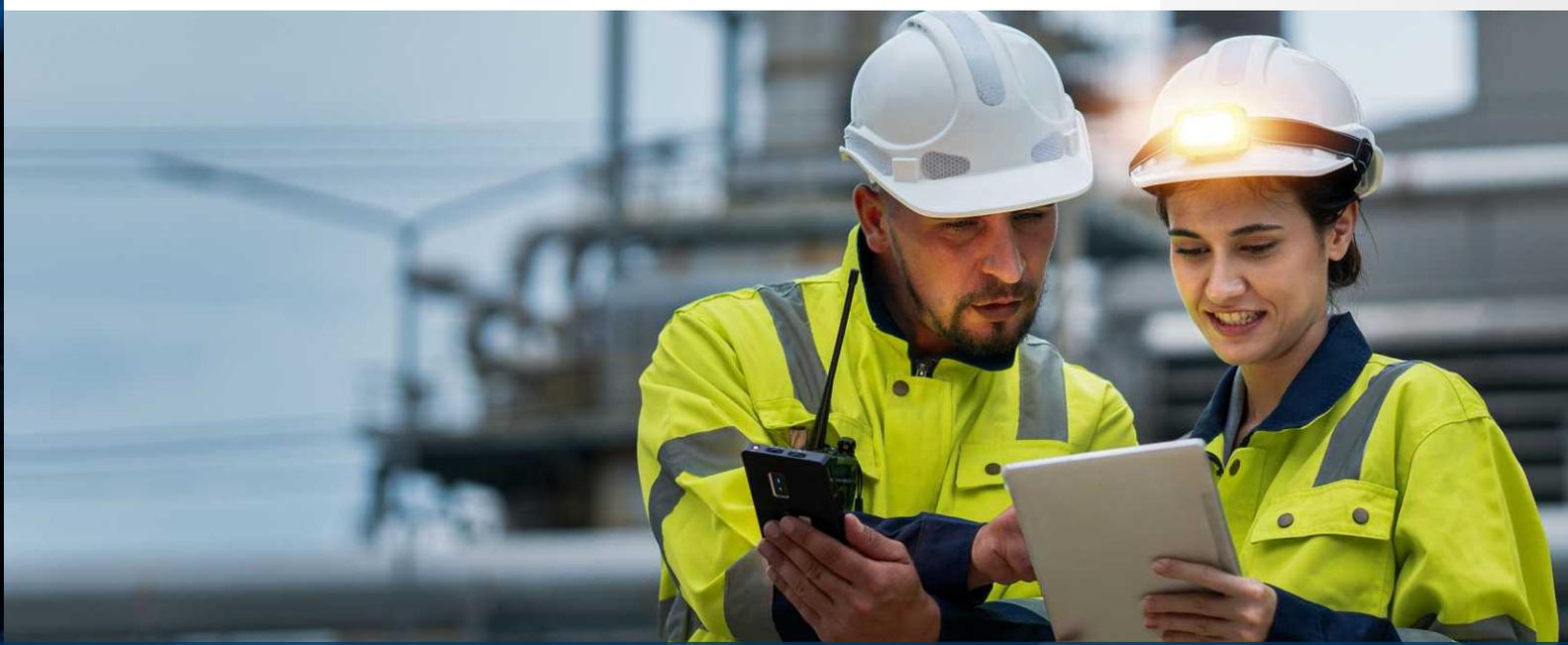
Construction Engineering Technician – Sustainability

Ontario College Diploma | 2 years
Hazel McCallion Campus (Mississauga)

Become a leader in sustainable construction.

Build practical skills for modern construction projects

Learn how residential, commercial and industrial buildings are designed and constructed, with a focus on sustainability. You'll develop an understanding of how building systems, regulatory requirements and project planning come together in sustainable construction. You'll also use industry-standard tools such as AutoCAD and Revit within BIM-based workflows to support efficient and environmentally responsible projects.

Be the go-to expert on sustainable projects

Discover how today's construction teams reduce waste, improve energy performance and choose better materials. You'll work with real green building standards like LEED® and Net-Zero so you understand how sustainability goals turn into real-world decisions.

Step into how real construction teams work

Collaborate with students and faculty from architecture, engineering and construction as you plan real building projects. Through shared courses and hands-on assignments, you'll coordinate drawings, schedules and specifications the same way professional teams do in active jobs.

Faculty of Applied Science and Technology

sheridancollege.ca/fast

Career opportunities

Graduates are prepared to take on technical roles supporting sustainable and in-demand construction projects across residential, commercial and industrial sites. You'll be ready to step into project teams, apply green building practices and help lead work shaped by evolving standards and regulations.

Career opportunities for graduates include:

- Sustainability Field Technician
- Construction Technician
- Site Safety and Environmental Technician
- CAD/Design Technician (Green Building Focus)
- Building Information Modelling (BIM) Technician
- Green Building Compliance Technician
- Environmental Compliance Technician
- Community Sustainability Support Technician

Courses

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

- Inside the Build: Exploring Construction Sites and Practices, Careers
- Smart Construction Management: Reading and Coordinating Digital Plans
- Advanced Building Materials and Integrated Systems
- Precision Surveying and Introduction to Geomatics
- Emerging Technologies in Construction: Automation, Drones, 3D Printing and AI Integration
- Modular and Prefabrication Methods for Sustainable Construction

Admission requirements

Program eligibility

Ontario Secondary School Diploma or equivalent, including these required courses:

- English, Grade 12 (ENG4C or ENG4U)
- One Math, Grade 12 (C or U) or Math Grade 11 Functions (MCR3U) or Functions and Applications (MCF3M)

OR

Mature student status
If you're at least 19 years old and missing any of the requirements above, you can meet these requirements by applying as a mature student.

Pre-admission testing and upgrading
Applicants who do not meet the admission requirements will be invited to complete pre-admission tests in mathematics and/or English.

Applicants lacking the mathematics admission requirement for this program may wish to upgrade their mathematics prior to application. Learn about Academic Upgrading.

Applicant selection

Eligible applicants are selected on the assessment of their previous academic achievement (the average of their six highest senior-level credits, including required courses).

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.

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