

Sheridan

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Chemical Engineering Technology

Ontario College Advanced Diploma | 3 years



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Put chemistry to work in the lab and at the industrial scale.

Stand out with Sheridan

Sheridan's Chemical Engineering Technology advanced diploma offers education in both lab and industry areas, but stands out for its emphasis on true chemical engineering. Our strong focus on careers that involve complex, industrial-scale processes distinguishes Sheridan from other chemical engineering college programs.

Gain career-ready skills

In Sheridan's Chemical Engineering Technology advanced diploma program, you'll acquire a broad range of fundamental skills that include:

- Instrumental analysis and analytical chemistry
- Organic, inorganic and physical chemistry
- Design and operation of chemical processes
- Environmental science
- Process control

Practical, career-oriented learning

Sheridan emphasizes practical, hands-on learning in laboratory settings and industrial environments. You'll work directly with state-of-the-art chemical engineering and laboratory equipment, providing you with the advanced skills that are sought after by industry.

Career opportunities

Chemical Engineering Technology graduates may work with chemists and engineers in laboratory and industrial areas of the chemical industries.

Courses

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

- Biochemistry
- Fluid Mechanics
- Heat Transfer
- Instrumentation and Process Control
- Materials
- Unit Operations

Admission requirements

Program eligibility

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

- One English, Grade 12 (ENG4C or ENG4U)

plus

- One Chemistry, Grade 11 (U) or Grade 12 (C)
- 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.

Admission at an Advanced Level (Direct Entry)

Students may apply for admission at an Advanced Level (Direct Entry) to Year 2 of this program if they have relevant credits from a university or college. Students have to complete certain courses from Year 1 prior to graduation.

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