

# PRE-TRADES/TECHNOLOGY (PRET)

## Unsure of your career path? Take a step toward pursuing a career in skilled trades or engineering technology.

Do you enjoy hands-on work but don't know which trade to pursue? Or maybe you're drawn to the field of engineering technology and want to know more. Explore career options and improve your technical, math, and English skills while you learn the fundamentals of the electrical, mechanical, and carpentry fields. Cambrian's comprehensive program helps you enhance a wide range of core and technical skills by combining theory with hands-on training in labs and trade shops.

Through practical class projects like small engine repair, you'll learn the basics of work safety, measuring instruments, and hand power tools. A partnership with the Infrastructure Health and Safety Association (IHSA) allows you to take industry certification courses at a reduced rate during the program.

### Program highlights

- Gain missing admission requirements and/or explore careers in trades and engineering technology
- Option to receive IHSA training and other industry certifications
- Opportunity to develop a personalized career path

### Program of study for 2024-25 Academic Year

Students are required to successfully complete an online Lab Safety course (in Moodle) when starting their program at Cambrian. This course must be completed prior to entering the labs (as identified in the table below) in the Schools of Skills Training, Engineering Technology and Environmental Studies.

Semester 1		Credits
ENG 1182	Reading Skills for Trades	3
PRT 1000	Applied Technology I <sup>1</sup>	4
PRT 1009	Exploring Careers in Trades and Tech <sup>1</sup>	4
SCI 1007	Science for Trades and Tech <sup>1</sup>	3
ELN 1122	Electrical for Trades and Tech <sup>1</sup>	3
PRT 1115	Computers for Trades and Tech	3
MTH 1173	Math for Trades and Tech I	3
<b>Credits</b>		<b>23</b>
Semester 2		
ENG 1002	College Communications	3
PRT 1001	Applied Technology II <sup>1</sup>	4
PRT 1003	Physics for Trades and Tech <sup>1</sup>	3
MTH 1273	Math for Trades and Tech II	3
SAI 1000	Safety in the Workplace <sup>1</sup>	3
One Computer Aided Drafting (CAD) course		2
CAD 1001	Engineering Graphics	
CAD 1002	Electrical CAD	
CAD 1100	Computer-Aided Drafting I	

One General Education course. <sup>2</sup>	3
<b>Credits</b>	<b>21</b>
<b>Total Credits</b>	<b>44</b>

<sup>1</sup> Course with Lab Component

<sup>2</sup> For more information regarding General Education courses, click here (<https://cambriancollege.ca/general-education-electives/>).

### Admission requirements

Ontario Secondary School Diploma (30 credits) or equivalent or mature student status.

### Program delivery

2024-2025

Fall term start

SEMESTER 1: Fall 2024

SEMESTER 2: Winter 2025

### Specific program pathways

#### College or university degree opportunities

If you are a graduate of this program, you may continue your studies at a college or university and you may receive credit(s) for your prior college education. Refer to Cambrian's college and university agreement (<https://cambriancollege.ca/supports-services/articulation-agreements/>) details for further information

### Employment opportunities

Successful graduates are eligible to apply to a number of programs offered through Cambrian College's School of Skills Training and the Schools of Engineering Technology and Environmental Studies. The Pre-Trades/Technology program is the preferred designated preparatory program for admission to Cambrian College Trades and Technology programs.

Successful completion of the Pre-Trades/Technology program also provides students who have obtained their Ontario Secondary School Diploma, but lack key English and math prerequisites, to be eligible to apply to other Cambrian College programs that have these requirements.

### Contacts

#### Andrew Young

Program Coordinator

705-566-8101, ext 7696

[andrew.young@cambriancollege.ca](mailto:andrew.young@cambriancollege.ca)

#### INTERNATIONAL ADMISSIONS

[mailboxadmissions@cambriancollege.ca](mailto:mailboxadmissions@cambriancollege.ca)