

ELECTRICAL TECHNIQUES (EETQ)

Ontario College Certificate | 2 semesters | Barrydowne

You will gain a solid foundation in the theoretical, practical and design aspects of the electrical trade and become familiarized with the tools and materials used on the job. You will also learn how to effectively use the Canadian Electrical Code. Subjects of instruction follow the Learning Objectives for Level 1 Electrical Trade School, recognized by the Ministry of Advanced Education and Skills Development.

Program Highlights

- 1 year – 2 semesters
- Co-op diploma apprenticeship option
- Electrical lab features industry standard 120/240 volt equipment
- Hands-on wiring experience, interpreting electrical drawings/prints and working with AutoCAD Electrical
- Graduates are eligible to apply and continue into Cambrian's Electrical Engineering Technician and Technology programs

Co-op Diploma Apprenticeship Program Option

The Co-op Diploma Apprenticeship program combines a college diploma and apprenticeship training. The placement for this program is an optional co-op and is not required for you to graduate. You can choose to complete your postsecondary program and graduate with a certificate or diploma without participating in the co-op option. However, if you choose, and qualify, to participate in this optional Co-op Diploma Apprenticeship program, you may become a registered apprentice sponsored by your co-op employer. Through your participation in this program, you will have the opportunity to participate in paid co-op placements while earning a college certificate or diploma. Your academic curriculum, which enables you to receive Level 1, Level 2, or Level 3 Trade School completion from the Ministry of Advanced Education and Skills Development after each successful year of schooling, will be enhanced by the experiences from your co-op placements.

Capped Enrolment Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Engineering Technology (<http://cambriancollege.ca/field-of-study/engineering-technology>)

Admissions Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C), (U) or (M)
- Any grade 12 mathematics (C) or (U) (MCT4C is highly recommended)

Recommended:

- Any grade 11 or 12 physics (C) or (U)

APPLY NOW! (<http://ontariocolleges.ca/apply>)

Program Delivery

2019-2020

This program will be delivered in the following terms:

Fall Term Start

1. SEMESTER 1 Fall 2019
2. SEMESTER 2 Winter 2020

For specific term start/end dates and other key dates/deadlines, please see the Academic Schedule (<http://cambriancollege.ca/apply/how-to-apply/academic-schedule>) on our website.

Program of Study

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
CAD 1002	Electrical CAD	2
ELC 1004	Prints & Electrical Code I	3
ELC 1009	Electrical Workplace Safety	2
ELC 1125	Electrical Installation I ¹	5
ELR 1121	Electrical Fundamentals ¹	6
ENG 1002	College Communications	3
MTH 1152	Electrical Math I	3
Credits		24
Semester 2		Credits
ELC 1211	Electrical Installation II ¹	5
ELC 1215	Motor Control Fundamentals	4
ELC 1226	Digital Electronics Theory ¹	3
ELC 2308	Prints & Electrical Code II	3
INT 1008	Instrumentation Fundamentals	3
MTH 1252	Electrical Math II	3
The following General Education course:		3
BUS 1015	Negotiation & Labour Relations	
Credits		24
Total Credits		48

¹ Course with Lab Component

Fees

Tuition and Ancillary Fees

Please see our fees page (<http://cambriancollege.ca/fees>) for the breakdown of tuition and mandatory ancillary fees by program and semester for both domestic and international students

Books & Supplies

The cost of books and supplies for Year 1 is approximately \$1500. This is the best information available at the time of publishing to the website and is subject to change.

Note: There is a mandatory tool kit that is provided for this program, consisting of the tools and multimeter that are required for electrical lab classes. The cost is \$488.44, and it is listed as one of the fees to be paid with tuition.

Graduate Options

Employment Opportunities

Graduates may find employment as:

- An apprentice Residential, Construction & Maintenance or Industrial Electrician
- An apprentice in the mechanical trades, such as Heating Ventilation & Air Conditioning
- An installer in the fields of communications or fire alarm systems

Furthering Your Studies

Graduates of Cambrian's EETQ program may apply to enter directly into Semester 3 of the Electrical Engineering Technician - Industrial (EETN) (<http://catalog.cambriancollege.ca/eetn>) program or Electrical Engineering Technology - Industrial (EETY) (<http://catalog.cambriancollege.ca/eety>) programs. This is a competitive process.

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