

# Electrical Techniques

<b>Program Locations:</b>	Peterborough
<b>Program Code:</b>	ETQ
<b>Co-ordinator:</b>	Craig Elliott
<b>Credential:</b>	Ontario College Certificate
<b>Start Dates:</b>	September 04, 2012 - January 07, 2013
<b>Tuition Fees:</b>	\$1,928.45 per semester. Tuition and fees subject to change.

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**The Electrical Techniques program provides pathways into a variety of occupations or training in the electrical industry. Develop basic competencies in electricity, network cabling and electrical system installation.**

## Program Highlights

The electrical field is growing in response to increased construction work in Ontario and other provinces. The two-semester (30 week) Electrical Techniques program will provide you with the introductory and fundamental skills and knowledge to assist with the installation, maintenance and repair of electrical equipment in residential, commercial and construction settings.

The program also provides several pathways into a variety of occupations and other college training programs in the electrical industry, including electronics, electrical mechanical and electrical apprenticeship. You will develop basic competencies in electricity, network cabling and electrical system installation. Related instruction in mathematics, prints and installations, safety and trade calculations is included to meet employers' qualifications.

There is a pathway for students enrolled in Electrical Techniques to enter into third semester of Electrical Engineering Technician (subject to enrolment capacity). The student must successfully complete all Electrical Techniques courses and obtain credit in Applied Mathematics for Technology I (MATH 18), Technical Communications (COMM320) and Electronic Circuits (ELCT105) prior to the start of the third semester.

## Minimum Admission Requirements

OSSD with the majority of credits at the Workplace (E) level, including English.

When Workplace (E) is the minimum course level for admission, (C) and (U/C) courses are also accepted.

## Mature Students

If you are 19 years of age or older before classes start, and you do not possess an OSSD, you can write the Canadian Adult Achievement Test to assess your eligibility for admission.

# Curriculum for Electrical Techniques

## Semester 1

Code	Course Name	Hours
ELCT 90	Drafting Applications and AutoCAD	45
ELCT 84	Electricity	60
ELCT 107	Installation Practices	75
COMP 345	Introductory Computing	45
MATH 122	Mathematics I	45
COMM 32	Technical Communications	37
ORGB 2	Career Essentials	45

## Semester 2

Code	Course Name	Hours
ELCT 87	Alternating Current Theory	60
ELCT 105	Electronic Circuits	45
ELCT 101	Instrumentation I	60
MATH 123	Mathematics II	30
ELCT 116	Measurements	45
ELCT 77	Safety, Prints and Electrical Code	60
ORGB 13	Developing Effective Teams	45

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