

ELECTRICAL TRADES

2009 FALL PART TIME STUDIES

BRITISH COLUMBIA
INSTITUTE OF
TECHNOLOGY

ELECTRICAL TRADES

PART TIME STUDIES

If you are an electrician looking to upgrade your skills or prepare for certificate exams, or if you are preparing for the electrical apprenticeship program, these courses are for you.

TELC 0105: ELECTRICAL IP/TQ REFRESHER

This refresher course helps prepare electricians to write the Interprovincial (IP)/ Certificate of Qualification (TQ) examination. Information pertaining to the eligibility requirements for writing the IP/TQ exam must be obtained from the Industry Training Authority (ITA).

TELC 0107: ELECTRICAL CODE

Wanting to become a Field Safety Representative? This course covers the 2009 Canadian Electrical Code as amended for the Province of British Columbia, the Safety Standards Act of BC, the Safety Standards General Regulations, the Electrical Safety Regulation and the BC Safety Authority Directives. The course and instructor are recognized by the Electrical Safety Authority.

TELC 0207: 2009 CANADIAN ELECTRICAL CODE PART 1 CHANGES SEMINAR

Come and Learn about the changes to the 2009 Canadian Electrical Code! This one day seminar will cover all the major changes to the 2009 Canadian Electrical Code Part 1. Special attention will be given to the key changes to Section 0, 10, 12, 18, 26, 32, 46 and 68. ****NEW THIS FALL****

TELC 0113: ENTERTAINMENT INDUSTRY CODE (LE/FE)

Designed for those persons doing electrical work in the entertainment industry. This course follows the Electrical Safety Authority guidelines and prepares the student to write the LE or FE code exam.

TELC 0144: LOW ENERGY ELECTRICAL WORKER

Covers the Canadian Electrical Code requirements for the installation, alteration, repair or maintenance of Class 2 circuits limited to rated output of 100 VA. This includes installation of 120 volt feeds for Class 2 power supplies. Course prepares students to write the LO Restricted certificate exam.

TELC 0161: HIGH VOLTAGE 1

This course provides both theoretical and practical information relating to high voltage systems. Course topics include HV generation/transmission/distribution systems, HV cables and terminations, HV switchgear, HV safety and code requirements.

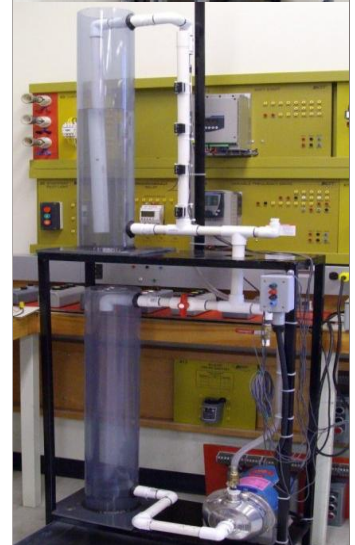
TELC 0121: MATH FOR ELECTRICIANS 1

This course is designed for students planning to attend level one technical training for the electrical apprenticeship program. Course topics include basic electrical concepts, fundamental electrical laws and mathematical expressions, algebra refresher, DC electricity and resistive circuit analysis.

TELC 0122: MATH FOR ELECTRICIANS 2

This course is designed for students planning to attend level two technical training for the electrical apprenticeship program. Course topics include basic trigonometry, alternating current (AC) concepts, single phase AC circuit analysis and single phase transformer calculations.

 **MORE COURSES ON BACK**



TELC 0123: MATH FOR ELECTRICIANS 3

This course is designed for students planning to attend level three technical training for the electrical apprenticeship program. Course topics include three phase circuit analysis and three phase transformer calculations.

TELC 0178: ELECTRICAL APPRENTICE YEAR 4 THEORY REVIEW

This course is designed for students planning to attend Level 4 technical training for the Electrical Apprenticeship. This course will concentrate on a review of the technical training for Levels 1 to 3 as well as a review of the mathematics utilized in Level 4.

TELC 0130: BASIC MOTOR CONTROL

Covers the basic principles of conventional motor control for those working in an industrial setting.

TELC 0166: ADVANCED MOTOR CONTROL

Covers principles of advanced Motor Control and the features of 'soft-start' controllers for those working in a modern industrial environment.

TELC 0156: VARIABLE FREQUENCY DRIVES

This course is designed for students who would like to acquire more industrial oriented skills. The course focuses on the wiring, programming, implementation and uses of typical industrial AC drives. Real time data acquisition and monitoring are some of the topics covered. AC drive theory along with solid state devices and motor control are included.

TELC 1086: PROGRAMMABLE LOGIC CONTROLLERS 1

Covers the basic knowledge required to operate a programmable logic controller (PLC). Examines advantages of PLC's installation, hardware requirements, peripheral devices, system operation and hands-on programming to relay replacement level using industry accepted software.

TELC 0182: PROGRAMMABLE LOGIC CONTROLLERS 2

Provides hands-on training in the use of dedicated programmable software. Explores the power of the PLC, data manipulation, math routines and data comparison instructions.

TELC 0141: SECURITY SYSTEMS

Covers rules and regulations including mandatory trades qualification requirements, basic electronics, testing and servicing, wiring methods, input, output and control equipment; central station communications, access and CCTV systems. Designed for installers about to write the T.Q. exam, including crime prevention officers and sales and

CANADIAN FIRE ALARM TECHNICIAN PROGRAM

If you are a fire alarm technician, the Canadian fire alarm association (CFAA) requires you complete a five-subject theory-based program of study. Certified electricians may take the mandatory courses 1 and 5. For further information about this prior learning assessment (PLA) or general inquiries about certification as a fire alarm Technician, please contact CFAA at 1.800.529.0552 or www.cfaa.ca

Courses offered:

TELC 0171 CFAA COURSE 1 – INTRO TO FIRE DETECTION AND ALARM INDUSTRY

TELC 0173 CFAA COURSE 3 – BASIC ELECTRICITY **NEW THIS FALL******

TELC 0174 CFAA COURSE 4 – BASIC ELECTRONICS **NEW THIS FALL******

TELC 0175 CFAA COURSE 5 – FIRE ALARM SYSTEMS

HOW TO REGISTER

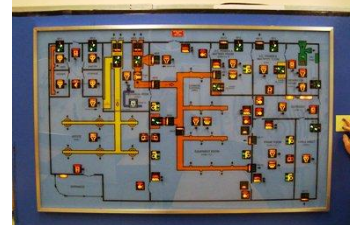
ONLINE – Visit bcit.ca/pts

IN PERSON – Visit a BCIT Campus during office hours

BY PHONE – Call 604.456.1122 or 1.866.656.1241

BY MAIL OR FAX – Download the registration form at bcit.ca/pts

Fax it to 604.430.1331 or mail it to the BCIT PTS Student Info & Enrolment Service.



LAB EQUIPMENT



MORE INFORMATION

Yoonie Cho
Program Assistant
BCIT Electrical Trades

T 604.456.1156

E ycho@bcit.ca