



Electrical Technician Training

The Electrical Technician Training course is a complete electrical training course that will provide you with the knowledge and skills required to start your electrical career. This interactive and self paced course gives you flexibility and control over your learning.

With the course material based on the concepts found in the National Electrical Code (NEC) and Canadian Electrical Code (CEC), this course is designed for Electricians, Pre-Apprentices, Electrical Technicians, Maintenance Workers, and anyone looking to gain electrical knowledge and advance their career!

Course Content

Section 1: Introduction

- 1.1 Course Overview
 - 1.2 Terms and Conditions
 - 1.3 Becoming an Electrical Technician
- Section 1 Quiz

Section 2: Electrical Theory

- 2.1 What is Electricity?
 - 2.2 Conductors, Insulators and Resistors
 - 2.3 AC vs. DC
 - 2.4 Ohms Law
 - 2.5 Simple Circuits
- Section 2 Quiz

Section 3: Electrical Safety

- 3.1 Dangers of Electricity
- 3.2 Electrical PPE



3.3 De-Energizing and Testing Circuits

3.4 Lockout / Tagout

3.5 Electrical Permits

Section 3 Quiz

Section 4: Tools

4.1 Hand Tools

4.2 Power Tools

4.3 Testing Equipment

4.4 Digital Multimeter

Section 4 Quiz

Section 5: Residential Electrical and Common Circuits

5.1 Residential Overview

5.2 Installing Electrical Devices

5.3 Protection Devices and Grounding

5.4 Electrical Circuit Design

5.5 Understanding the National Electrical Code (NEC) and Canadian Electrical Code (CEC)

Section 5 Quiz

Section 6: Commercial Electrical

6.1 Commercial Overview

6.2 Commercial Circuits

6.3 Fire Alarm Systems

6.4 Building Automation Systems



Section 6 Quiz

Section 7: Industrial Electrical

7.1 Industrial Overview

7.2 Industrial Circuits, Three-Phase and Transformers

7.3 Motors, Pumps and Generators

7.4 PLC Control Systems

Section 7 Quiz

Section 8: Final Assignment

8.0 Final Assignment

Section 9: Final Exam

Final Exam