



P E E R V E E T

Plumbing Electrical Electronic & Refrigeration Vocational Education Employment & Training Inc

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Electro-Comms Principles (NUE189)

Course Aim

In this topic you will learn about the Electrotechnology industry, electrical terminology and the basic electrical circuit. This module is intended as an introduction to electrical theory and to supplement exposure to telecommunication work. Before undertaking this module a learner should have a general understanding of what telecommunication cabling work entails and the need for safety, particularly when working with electricity.

Duration 40 hours

Course Content

- The Basic Electrical Circuit
- Circuit Parameter Relationships
- Measurement Instruments (voltage, current & Resistance)
- Effects of Electrical Current
- EMF sources
- D.C. Resistive Circuits
- Capacitance
- Magnetism and Electromagnetic Induction
- A.C. Principles

Pre-requisites

Whilst there are no pre-requisites required for this class, for the most effective learning, students should have skills in the following:

- Number systems & estimation
- Summarising and interpreting data
- Algebraic statements
- Indices
- Area
- Linear relationships
- Ratios & rates and its applications
- Graphs and transposition of equations.

Structure

This course is offered via correspondence with PEER based assessment only.

Note: This course is not currently funded through the CITB.

Please call 08 8348 1200 to register your interest.

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