



# UEE40411 Certificate IV in Electrical - Instrumentation

National ID: UEE40411 | State ID: A135

## About this course

### Become instrumental in maintaining high tech control systems

**Are you a qualified tradesperson with an electrical trade background?** If so this course will give you the practical skills and knowledge to be employed as an **instrumentation and control technician**. You will undertake both theoretical and practical training. The **theoretical component is online** whilst the practical components can be completed at our Midland campus (generally within two weeks).

**To complete this qualification you will need to have prerequisite, core and other units required for the Certificate IV credited via an RPL or Credit Transfer process.**

### Gain these skills

- Install, commission, calibrate and maintain modern instrumentation and control systems
- PLC programming
- Configure instruments
- Prepare industry reports

### Is this course right for me?

I have the following attributes:

- Good at problem solving and interested in working with machinery/high tech equipment
- Able to concentrate in busy or stressful situations
- Comfortable working in a physical environment
- Good at reading and interpreting plans
- Safety conscious

## Overview

### Semester 1, 2019

---

#### Midland - Online



Duration: **6 Months**



When: **Semester 1, 2019**



How: **Online**

## Units

---

### Core

Unit Title	National ID
Participate in development and follow a personal competency development plan	UEENEEE038B
Apply Occupational Health and Safety regulations, codes and practices in the workplace	UEENEEE101A
Fabricate, assemble and dismantle utilities industry components	UEENEEE102A
Solve problems in d.c. circuits	UEENEEE104A
Fix and secure electrotechnology equipment	UEENEEE105A
Use drawings, diagrams, schedules, standards, codes and specifications	UEENEEE107A
Implement and monitor energy sector OHS policies and procedures	UEENEEE117A
Compile and produce an energy sector detailed report	UEENEEE124A
Document and apply measures to control OHS risks associated with electrotechnology work	UEENEEE137A
Solve problems in single and three phase low voltage machines	UEENEEG006A
Solve problems in single and three phase low voltage electrical apparatus and circuits	UEENEEG033A
Arrange circuits, control and protection for general electrical installations	UEENEEG063A
Solve problems in electromagnetic devices and related circuits	UEENEEG101A
Solve problems in low voltage a.c. circuits	UEENEEG102A
Install low voltage wiring and accessories	UEENEEG103A

Unit Title	National ID
Install appliances, switchgear and associated accessories for low voltage electrical installations	UEENEEG104A
Verify compliance and functionality of low voltage general electrical installations	UEENEEG105A
Terminate cables, cords and accessories for low voltage circuits	UEENEEG106A
Select wiring systems and cables for low voltage general electrical installations	UEENEEG107A
Trouble-shoot and repair faults in low voltage electrical apparatus and circuits	UEENEEG108A
Develop and connect electrical control circuits	UEENEEG109A
Use instrumentation drawings, specification, standards and equipment manuals	UEENEEI101A
Solve problems in pressure measurement components and systems	UEENEEI102A
Solve problems in density/level measurement components and systems	UEENEEI103A
Solve problems in flow measurement components and systems	UEENEEI104A
Solve problems in temperature measurement components and systems	UEENEEI105A
Implement and monitor energy sector environmental and sustainable policies and procedures	UEENEEK145A

## Elective

Unit Title	National ID
Develop, enter and verify discrete control programs for programmable controllers	UEENEEI150A
Develop, enter and verify word and analogue control programs for programmable logic controllers	UEENEEI151A

## Entrance requirements

School Leaver	Non-School Leaver	AQF
C Grades in Year 11 WACE General English, and OLNA; or NAPLAN 9 Band 8	C Grades in Year 11 English and Maths or equivalent	Certificate II or Certificate III

## Job opportunities



## [Instrumentation and Control Technician | Electronic Engineering Technician](#)

Please note this list should be used as a guide only as job titles and qualification requirements may vary between organisations.

## Fees and charges

View our [Indicative Fees list](#)

### Local full time students

Course fees are made up of two components, tuition fees and resource fees.

**Tuition fees** are determined by multiplying the course fee rate by the nominal hours, which is the number of hours in which an average student could be expected to complete each unit. They are not the hours of training or instruction.

**Resource fees** are charges for material that are essential to a course or unit, and are purchased by NMT to be used by students during the course.

Fees may vary depending on the units you are enrolled in so an approximate amount has been shown. You will be given the exact amount of your fees at enrolment. Part time student fees will vary depending on the number of units you are enrolled in.

Please note, you may also need to buy textbooks or equipment for your course.

### International Students

Check [TAFE International WA](#) to confirm this course is available to international students. You will pay your tuition fees to TIWA.

**Please note, fees are subject to change.**