Certificate III
Instrumentation & Control

Course Description

The *UEE31211 Certificate III in Instrumentation and Control* qualification provides competencies to select, install, set up, test, fault find, repair and maintain systems and devices for measurement and recording of physical/chemical phenomenon and related process control.

Content Delivery

Approximately 120 Hrs of online self-paced learning and approx. 2 weeks of face to face practicals. NOTE: This will vary with experience and capabilities of different students.

This course consists of two stages: The first stage is completed externally through an online learning system which is completely flexible and self-paced and equates to approximately 120 hrs of online learning.

The second stage of the assessment is a multi week intensive practical assessment which can be done on a flexible training timetable, where the practicals are completed as follows: *Week 1 and Week 2 Practicals.*

Practical training for students includes a final capstone assessment. Our Training Coordinator will let you know which days you will be required depending on your Electives and other competencies already completed.

Entry Requirements

The unit of competencies are assuming you are already an Electrician, where you would receive a credit transfer for any Electrical units required by this qualification.

(Currently we do not offer the Electrical units required by this qualification – Students are required to be Unrestricted Electricians.)

Assessment

Please note: Practical training for students includes a final capstone assessment. Students have 2 attempts at the practical capstone assessment, further attempts are charged at $500.00 per day/attempt.

Offers

We also offer UEE40411 - Certificate IV in Electrical Instrumentation and a non-accredited Instrumentation Refresher.

Up to
$6, 500 (GST Free)

Depending on current competencies held.

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Core Units of Competency offered

UEENEEI101A	Instrumentation drawings, specifications, standards and equipment manuals.
UEENEEI102A	Solve problems in pressure measurement components and systems.
UEENEEI103A	Solve problems in density/level measurement components and systems.
UEENEEI104A	Solve problems in flow measurement components and systems.
UEENEEI105A	Solve problems in temperature measurement components and systems.
UEENEEI106A	Set up and adjust PID control loops.
UEENEEI107A	Install instrumentation and control cabling and tubing.
UEENEEI108A	Install instrumentation and control apparatus and associated equipment.
UEENEEI110A	Set up and adjust advanced PID process control loops.
UEENEEI111A	Find and rectify faults in process final control elements.
UEENEEI112A	Verify compliance and functionality of instrumentation and control installations.
UEENEEI113A	Setup and configure human-machine interface (HMI) and industrial networks.
UEENEEI150A	Develop, enter and verify discrete control programs for programmable controllers.

Elective Units Stream One

If student has not completed EEHA: Select two units below plus credit transfer two units from Electrical License.

UEENEEI117A	Calibrate, adjust and test measuring instruments – 40 points.
UEENEEI114A	Trouble shoot process control systems – 60 points.

Elective Units Stream Two

If student has completed EEHA: Volt Edge will provide credits for electives. Provide your transcript for review.