



[www.techskillsau.com.au](http://www.techskillsau.com.au)

Audited to standards for RTOs 2015  
RTO # 52737

# UEE31211 Certificate III in Instrumentation and Control



## UEE31211- Certificate III in Instrumentation and Control

This course is aimed at those who would like to enhance their PLC, HMI and Process Instrumentation skills giving them the edge to enter into the oil & gas industry or any industry of preference. You will learn how the PLC interfaces with field instrumentation. This qualification provides the opportunity to work as a qualified instrumentation and control technician.

### Eligibility:

- Applicants must hold a current Unrestricted Electricians Licence or hold UEE30811 Cert III in Electro technology- Electricians to achieve a SoA (Statement of Attainment).
- Current instrumentation work experience for the full qualification.

**Availability:** Visit [www.techskillsau.com.au](http://www.techskillsau.com.au) and click Online enrollments.

### Duration:

14 days intensive training or where Credit Transfer is granted for UEE40411 Certificate IV in Electrical Instrumentation we will confirm the number of days training required.

### Fees:

- \$5,100
- 10% discount to past students
- 15% discount for group booking (min of 5 students).

### Course Outcomes

**Full Qualification:** Student who are successfully competent in both theoretical and practical training, completing all units of competency in the training package and providing their 'Unrestricted Electricians' Licence, Credit transfer from UEE40411 Certificate IV in Electrical Instrumentation and their RWR form (signed off by their work supervisor and verified by TSA) will receive this qualification.

**Statement of Attainment (SoA):** This Statement is issued to a student who has successfully completed one or more units of competency but does not meet the requirements for a full qualification (as specified in the training package) and to Electrical Engineers.

## COURSE CONTENT:

All the units of competency for this qualification, including core and elective units, are listed below.

**Note:UEENEEG105A:**Those holding an 'Unrestricted Electricians Licence' or equivalent issued in an Australian State or Territory meets the requirements of this unit and its pre-requisite requirements. i.e. Credit is granted for all Units of competency annotated # (<http://training.gov.au/Training/Details/UEE11>)

### Core competency units:

Unit of competency annotated \* indicates Credit Transfer from UEE40411 Certificate IV in Electrical Instrumentation.

UEENEEE101A#: Apply Occupational Health Safety regulations, codes and practices in the workplace.

UEENEEE102A#: Fabricate, dismantle, assemble of utilities industry components.

UEENEEE104A#: Solve problems in d.c. circuits. UEENEEE105A#: Fix and secure electrotechnology equipment.

UEENEEE107A#: Use drawings, diagrams, schedules, standards, codes and specifications.

UEENEEI108A#: Install instrumentation and control apparatus and associated equipment]

UEENEEE137A#: Document and apply measures to control OHS risks associated with electrotechnology work.

UEENEEK142A#: Apply environmentally and sustainable procedures in the energy sector.

UEENEEI101A\*: Use instrumentation drawings, specifications, standards and equipment manuals.

UEENEEI102A\*: Solve problems in pressure measurement circuits and systems.

UEENEEI103A\*: Solve problems in density/level measurement circuits and

systems.

UEENEEI104A\*: Solve problems in flow measurement circuits and systems.

UEENEEI105A\*: Solve problems in temperature measurement circuits and systems.

UEENEEI150A\*: Develop, enter and verify discrete control programs for programmable controllers.

### Group A – Qualification Core Units:

UEENEEC024B: Participate in instrumentation and control work and competency development activities.

UEENEEE119A: Solve problems in multiple path extra low voltage (ELV) a.c. circuits.

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.

UEENEEP013A: Disconnect - reconnect control devices connected to low voltage installation wiring.

### Group B – Qualification Elective Units:

UEENEEI104A: Use engineering applications software on personal computers.

UEENEEI114A: Trouble shoot process control systems.

UEENEEI117A: Calibrate, adjust and test measuring.

