



## **Certificate IV in Electrical - Instrumentation - UEE40420**

### **Course Description:**

This course provides you with the skills and knowledge to select, install, commission, fault find and maintain equipment and systems for the control of plant, machines and processes.

### **Duration and Mode of Delivery:**

#### **Stage 1: Theory**

Theory completed online self-paced. Hours vary pending required units per students (approx. 70hrs pending electives selected).

#### **Stage 2: Practical – Up to 2 weeks**

Practical completed in our Brisbane, Sydney or Melbourne training centre. Intensive practical assessment requiring students to utilise our live functioning equipment to meet the requirements of the training package and gain valuable hands on experience.

### **Course Entry Requirements and Accreditation:**

\*Students must hold current 'Unrestricted Electricians Licence' or its equivalent issued in an Australian state or territory and /OR UEE30820 Certificate III in Electrotechnology Electrician prior to enrolling.

This is a Nationally Recognised course with successful students receiving a UEE40420 - Certificate IV in Electrical - Instrumentation Qualification.

Possible job titles and roles relevant to this qualification include Instrument Fitter, Instrument Technician, Plant Instrument Technician, E&I Technician, I&E Technician, Instrument Technician, Plant Operator, Process Technician & Maintenance Technician.

## Course Inclusions:

### Volt Edge will provide the following:

- Training and assessment course material
- Online student portal access
- Workbooks are available online at no cost or can be purchased for \$100 +GST
- Use of all required practical equipment

### Each Student is to:

- Submit the required prerequisites prior to commencement of the course – It is your responsibility.
- Have access to a stable internet and computer or laptop with Microsoft Office applications as required.
- Have basic computer skills to undertake and complete the assessments.
- Complete and submit the required assessment and attend the practical.
- Review and comply with the conditions detailed in the [Student Handbook](#).

## Units of Competencies:

Unit Code	Unit Name
UEECD0010	Compile and produce an energy sector detailed report
UEECD0024	Implement and monitor energy sector WHS policies and procedures
UEECD0027	Participate in development and follow a personal competency development plan
UEERE0015	Implement and monitor energy sector environmental and sustainable policies and procedures
UEEIC0047	Use instrumentation drawings, specifications, standards and equipment manuals
UEEIC0041	Solve problems in pressure measurement components and systems
UEEIC0038	Solve problems in density/level measurement components and systems
UEEIC0039	Solve problems in flow measurement components and systems
UEEIC0043	Solve problems in temperature measurement components and systems
<b>ELECTIVE OPTIONS (120 points required):</b>	
<b>Stream 1</b>	
UEEIC0018	Diagnose and rectify faults in digital controls systems* (60 points) (**Must do in Stream 1)
UEEIC0021	Find and rectify faults in process final control elements (40 points)**
UEEIC0022	Install instrumentation and control apparatus and associated equipment (20 Points)**
UEEIC0023	Install instrumentation and control cabling and tubing (20 Points)**
<b>Stream 2</b>	
UEEIC0015	Develop, enter and verify word and analogue control programs for programmable logic controllers (60 points) (**Must do in Stream 2)
UEEIC0013	Develop, enter and verify discrete control programs for programmable controllers* (60 points)

To enrol into this training please view our website or contact our team at [training@voltage.com.au](mailto:training@voltage.com.au)

### What is the Higher Level Skills program?

The Higher Level Skills program aims to assist individuals to gain the higher-level skills required to secure employment or career advancement in a priority industry, or to transition to university to further their studies.

If you are a Queensland resident and have completed your UEE30820 Certificate III in Electrotechnology Electrician (or an equivalent) Qualification and/or hold an Unrestricted Electrical Licence, you may be eligible to receive Government Funding Assistance to complete this course. Eligible students under the Skills Assure Higher Level Skills Program will need to pay a student contribution fee as shown in the cost tab.

Are you eligible to participate? You must:

- be a Queensland resident
- be aged 15 years or over, and no longer at school
- be an Australian or New Zealand citizen or Australian permanent resident (including humanitarian entrants), or a temporary resident with the necessary visa and work permits on the pathway to permanent residency; and
- not hold a Certificate IV qualification funded through the Higher Level Skills Program before.

Eligibility for Concessional Students is/has:

- a holder of a Health Care or Pensioner Concession Card or is the partner or a dependant of a person who holds a Health Care or Pensioner Concession Card and is named on the card.
- able to provide us with an official form under Commonwealth law confirming that the student, their partner, or the person of whom the student is a dependant, is entitled to concessions under a Health Care or Pensioner Concession Card
- Aboriginal or Torres Strait Islander
- a disability
- an adult prisoner

[Click here to visit Skills Assure Website](#)

[Click here to view Higher Level Skills Student Fact Sheet](#)

[Click here to view Higher Level Skills Employer Fact Sheet](#)



CORE UNITS	Non Concession	Concession	ELECTIVE UNITS	Non Concession	Concession (-30%)
UEECD0010	\$45.00	\$31.50	<b>Stream 1: (workplace relevant)</b>		
UEECD0024	\$45.00	\$31.50	UEEIC0018	\$90.00	\$63.00
UEECD0027	\$45.00	\$31.50	UEEIC0021	\$90.00	\$63.00
UEERE0015	\$45.00	\$31.50	UEEIC0022	\$90.00	\$63.00
UEEIC0038	\$90.00	\$63.00	UEEIC0023	\$90.00	\$63.00
UEEIC0039	\$90.00	\$63.00	OR Stream 2:		
UEEIC0041	\$90.00	\$63.00	UEEIC0015	\$180.00	\$126.00
UEEIC0043	\$90.00	\$63.00	UEEIC0013	\$180.00	\$126.00
UEEIC0047	\$90.00	\$63.00			

TOTAL COST: \$990. Credit Transfers (CT) are \$0.00 and reduce the cost. If you have any CT please ensure that they are attached to your application to ensure correct costing.\*Students are invoiced total cost on enrolment.