Certificate III in Instrumentation and Control UEE31220

Certificate III in Instrumentation and Control – UEE31220
Course Description:

The Certificate III in Instrumentation and Control – UEE31220 course provides you with the skills and knowledge 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.

Duration and Mode of Delivery:

Stage 1: Theory

Theory completed online self-paced. Hours vary pending required units per students (roughly 120hrs).

Stage 2: Practical

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. Final capstone assessment includes 2 attempts with a further charge of $500 per day/attempt as required. You are not eligible for an outcome until practical is completed.

Course Entry Requirements and Accreditation:

*Students must hold an Unrestricted Electrical Licence or show pre-requisite units prior to enrolling.
This is a Nationally Recognised course with successful students receiving a UEE31220 - Certificate III in Instrumentation and Control Qualification.

Possible job roles associated with Certificate III in Instrumentation and Control include Instrument Fitter, Instrument Technician, Plant Instrumentation Technician, Plant Operator, Process Instrumentation Technician & Maintenance Instrumentation 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 delivered by Volt Edge:

Unit Code	Unit Name
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*
UEEIC0029	Set up and adjust PID control loops*
UEEIC0023	Install instrumentation and control cabling and tubing*
UEEIC0022	Install instrumentation and control apparatus and associated equipment*
UEEIC0030	Set up and adjust advanced PID process control loops*
UEEIC0021	Find and rectify faults in process final control elements*
UEEIC0031	Set up and configure human-machine interface (HMI) and industrial networks*
UEEIC0013	Develop, enter and verify discrete control programs for programmable controllers*
UEEIC0048	Verify compliance and functionality of instrumentation and control installations*
ELECTIVE OPTIONS (See our website for a full list)	
UEEIC0004	Calibrate, adjust and test measuring instruments*
UEEIC0046	Troubleshoot process control systems*
UEEIC0015	Develop, enter and verify word and analogue control programs for programmable logic controllers*
UEEIC0018	Diagnose and rectify faults in digital controls systems*

Entry requirements:

To be eligible you need to be a Unrestricted Electrical Licence holder as we do not offer the Electrical Core Units of Competency. Contact our Training Team and forward your transcripts for a quote today.

To enrol into this training please view our website or contact our team at training@voltedge.com.au

ONLINE - LIVE WEB - ONSITE - BRISBANE - MACKAY - SYDNEY - MELBOURNE