

UEE31220 Certificate III in Instrumentation and Control

CRICOS: 103413M

&

UEE51020 Diploma of Instrumentation and Control Engineering

CRICOS: 106492E

**A double qualification catered for
international students**





Employment Outcomes

Possible job outcomes as instrumentation technician include the following industries:

- Waste/ Water Management
- Mining
- Automotive
- Oil/ Gas
- Pharmaceutical
- Brewery
- Manufacturing
- Paper

Why Choose EIM?

- Small class size and flexibility
- Online assessment platform
- Highly experienced industry trainers
- Established for 20+ years

Facts

- No exams
- Quarterly intakes
- Students must provide their own laptop
- Students attend 2 days of formal lectures and 1 day of class-based self-paced study per week
- Offered at Gold Coast campus

- An optional 360 vocational placement hours can be completed for 485 Visa Pathway

Payment Process

- Receive CoE upon deposit
- Commencement at first installment
- Monthly fees due 1st of month

**“All trainers
deliver an
excellent service.”
S. Magiet**



**NATIONALLY RECOGNISED
TRAINING**



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Celebrating 18 Years in Business

EIM Training Pty Ltd | RTO Code: 32048 | CRICOS 03220G
Information is correct at the time of printing

Units of Competency

This Certificate III qualification comprises of 23 core units and 6 elective units. The Diploma qualification adds a further 8 core units and 6 elective units.

Delivered in UEE31220:

Unit Code	Unit Description	Type
UEECO0009	Participate in instrumentation and control work and competency development activities	Core
UEECD0007	Apply Work Health and Safety regulations, codes and practices in the workplace	Core
UEECD0019	Fabricate, assemble, and dismantle industry components	Core
UEECD0043	Solve problems in d.c. circuits	Core
UEECD0020	Fix and secure electrotechnology equipment	Core
UEECD0051	Use drawings, diagrams, schedules, standards, codes and specifications	Core
UEECD0045	Solve problems in multiple path extra low voltage (ELV) AC circuits	Core
UEECD0016	Document and apply measures to control WHS risks associated with electrotechnology work	Core
UEEIC0047	Use instrumentation drawings, specification, standards and equipment manuals	Core
UEEIC0041	Solve problems in pressure measurement components and systems	Core
UEEIC0038	Solve problems in density/level measurement components and systems	Core
UEEIC0039	Solve problems in flow measurement components and systems	Core
UEEIC0043	Solve problems in temperature measurement components and systems	Core
UEEIC0029	Set up and adjust PID control loops	Core
UEEIC0023	Install process instrumentation and tubing and control cabling	Core
UEEIC0022	Install instrumentation and control apparatus and associated equipment	Core
UEEIC0030	Set up and adjust advanced PID process control loops	Core
UEEIC0021	Find and rectify faults in process control elements	Core
UEEIC0048	Verify compliance and functionality of instrumentation and control installations	Core
UEEIC0031	Setup and configure human-machine interface (HMI) and industrial networks	Core
UEEIC0013	Develop, enter and verify discrete control programs for programmable controllers	Core
UEERE0001	Apply environmentally and sustainable procedures in the energy sector	Core
UEERL0004	Disconnect - reconnect electrical equipment connected to low voltage (LV) installation wiring	Core
UEECO0002	Maintain documentation	Elective
UEECD0035	Provide basic instruction in the use of electrotechnology apparatus	Elective
UEEEC0060	Repairs basic electronic apparatus faults by replacement of components	Elective
UEEIC0004	Calibrate, adjust and test measuring	Elective
HLTAID009	Provide cardiopulmonary resuscitation	Elective
HLTAID011	Provide first aid	Elective

Delivered in the UEE51020:

Unit Code	Unit Description	Type
UEECD0027	Participate in development and follow a personal competency development plan	Core
UEECD0055	Write specifications for industrial electronics and control projects	Core
UEECD0024	Implement and monitor energy sector WHS policies and procedures	Core
UEECD0010	Compile and produce an energy sector detailed report	Core
UEEIC0020	Fault find and repair analogue circuits and components in electronic control systems	Core
UEEIC0018	Diagnose and rectify faults in digital controls systems	Core
UEERE0013	Develop strategies to address environmental and sustainability issues in the energy sector	Core
UEERL0004	Disconnect - reconnect electrical equipment connected to low voltage (LV) installation wiring	Core
UEEIC0015	Develop, enter and verify word and analogue control programs for programmable logic controllers	Elective
UEEIC0014	Develop, enter and verify programs in Supervisory Control and Data Acquisition systems	Elective
UEEIC0005	Configure and maintain industrial control system networks	Elective
UEECS0019	Develop, implement and test object oriented code	Elective
UEEEL0011	Evaluate performance of low voltage electrical apparatus	Elective
UEEIC0010	Develop and test code for microcontroller devices	Elective