

UEE31220 Certificate III in Instrumentation and Control

CRICOS: 103413M

**A trade qualification in a growing
industry across multiple sectors**



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Summary

This qualification provides students with skills and knowledge in instrumentation, process automation and control, allowing students to break into an industry that is high on the National Skills Shortage list. Students will be exposed to both classroom and workplace training, ensuring that they will gain the skills to have a rewarding career within this field.

Structure

This is a 103-week qualification. Students will be required to attend 2 days of formal lectures (9am - 4.30pm) and 1 day of class-based self-paced study per week. The qualification is comprised of competency-based training and assessment - no exams! Students will also have the option to complete 360 hours of vocational placement, with EIM International Training assisting with securing this placement.

Support

Students will be provided with resources, assessment tools, organisation policies and procedures and reference resources. Trainers are available by appointment for one-on-one mentoring if required. EIM also boasts a strong student hub and student services department.

Eligibility

Students must have passed equivalent Australian Year 11 qualifications, and hold an overall IELTS 5.5 average, or equivalent language level.

Students (with the assistance of EIM International Training) must obtain a Restricted Electrical Work Permit. More information about the permit can be found at: <https://www.worksafe.qld.gov.au/>



**"The course was
helpful and very
informative for my
industry."
J. Krawczyk**



Employment Outcomes

Possible job outcomes as instrumentation technician include the following industries:

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

Why Choose EIM?

- Small class size and flexibility
- Online assessment platform
- Highly experienced industry trainers
- Established for 18+ years

Payment Process

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

Facts

- No exams
- Quarterly intakes
- Students must provide own laptop
- Students attend 2 days of formal lectures and 1 day of class-based self-paced study per week
- An optional 360 hours of vocational placement hours can be completed for 485 Visa Pathway
- Offered at Gold Coast campus
- Pathway into UEE51020 Diploma of Instrumentation and Control Engineering

“My trainer went out of their way to give me the support required.”

M. Cook

Units of Competency

This qualification comprises of 23 core units and 6 elective units. RPL and credit transfers are available for this qualification.

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



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Celebrating 18 Years in Business

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Information is correct at the time of printing