

UEE31220 Certificate III in Instrumentation and Control

A trade qualification in a growing industry across
multiple sectors



UEE31220 Certificate III in Instrumentation and Control

Summary

This is a nationally recognised qualification that provides students with comprehensive knowledge and skills in instrumentation and process automation. This is also a trade qualification in a skill shortage area. Upon completion of all relevant units of competency, students will be granted a Nationally Recognised Qualification (under the Australian Qualifications Framework - AQF) and a certificate will be issued.

Structure

Students have 24 months to complete the course. This qualification can be completed online or in class, and all students will be required to complete the practical components in Queensland at our Brisbane, Gladstone or Cairns campuses. The qualification is comprised of competency based training and assessment.

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.

Eligibility

Students must have appropriate AQF level language, literacy and numeracy skills. For students that do not currently hold an unrestricted electrical licence, it is a requirement to apply for a Restricted Electrical Work Permit through <https://worksafe.qld.gov.au/licensing-and-registrations/electrical-training/training-permits>.



Proud to be a Queensland Government subsidised training provider

“My favourite thing about EIM is the staff, they are friendly and welcoming”
F. Liesching



Employment Outcomes

Possible job outcomes as instrumentation technician include the following industries:

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

Why Choose EIM?

- Small class size
- Online assessment platform
- Highly experienced industry trainers
- Established for 19+ years

Government Subsidies

Government subsidies are available for students with the required eligibility for this course. Please refer to: <https://desbt.qld.gov.au/training/providers/funded/userchoice>

Payment Process

- Make an enquiry to apply for the course
- Complete the course application form
- Provide payment at enrolment (payment options available)
- Application is processed and a class/trainer is assigned to you

Quick Information

- Commence studies immediately upon enrolment
- Students must provide own laptop
- In-class and online options
- Offered at Brisbane, Gladstone and Cairns campuses

**“Very good course,
well presented and
conducted”**

R. Robe

For more information, please visit www.eim.edu.au

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Units of Competency

This qualification comprises of 23 core units and 5 elective units. RPL and Credit Transfers are available for this qualification.

Unit Code	Unit Description	Type
UEEIC0047	Use instrumentation drawings, specifications, standards and equipment manuals	Core
UEEIC0041	Solve problems in pressure 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
UEEIC0013	Develop, enter and verify discrete control programs for programmable controllers	Core
UEEIC0021	Find and rectify faults in process final control elements	Core
UEEIC0022	Install instrumentation and control apparatus and associated equipment	Core
UEEIC0023	Install instrumentation and control cabling and tubing	Core
UEEIC0029	Set up and adjust PID control loops	Core
UEEIC0030	Set up and adjust advanced PID process control loops	Core
UEEIC0031	Set up and configure human-machine interface (HMI) and industrial networks	Core
UEEIC0038	Solve problems in density/level measurement components and systems	Core
UEEIC0048	Verify compliance and functionality of instrumentation	Core
UEECD0007	Apply work health and safety regulations, codes and practices in the workplace	Core
UEECD0019	Fabricate, assemble and dismantle utilities and industry components	Core
UEECD0043	Solve problems in direct current 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) a.c. circuits	Core
UEECD0016	Document and apply measures to control WHS risks associated with electrotechnology work	Core
UEECO0009	Participate in instrumentation and control work and competency development activities	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 instruments	Elective
UEEIC0037	Set up weighting measuring and control instruments	Elective



NATIONALLY RECOGNISED
TRAINING



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Celebrating 19 Years in Business

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Information is correct at the time of printing