EIM TRAINING

UEE50220 Diploma of Electrical and Instrumentation

An advanced qualification in a growing industry across multiple sectors

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Summary

This is a nationally recognised qualification that provides students with advanced knowledge and skills in instrumentation and process automation, as well as an exciting opportunity for advancement into the electrotechnology field.

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 or Gold Coast campuses. The qualification is comprised of competency based training and assessment - no exams!

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 appropriate AQF level language, literacy and numeracy skills. Students must hold a full, unrestricted electrical licence (UEE30811/UEE30820 or equivalent) issued in Australia.

"Helpful trainers with a wealth of relevant knowledge"
D. Denais

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

Payment Process

- Payment confirms enrolment
- Payment options available
- For more information, please visit eim.edu.au

Facts

- No exams
- Intakes anytime
- Students must provide own laptop
- In class and online options
- Offered at Gold Coast campus and Salisbury CTC campus

"Was great to learn alongside other experienced technicians"
J. Malley

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Units of Competency

This qualification comprises of 18 core units and 4 elective units.

Unit Code	Unit Description	Type
UEECD0010	Compile and produce an energy sector detailed report	Core
UEECD0024	Implement and monitor energy sector WHS policies and procedures	Core
UEECD0027	Participate in development and follow a personal competency development plan	Core
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 and control installations	Core
UEERE0013	Develop strategies to address environmental and sustainability issues in the energy sector	Core
UEECD0060	Write specifications for electrotechnology engineering projects	Core
UEECO0002	Maintain documentation	Elective
UEEIC0014	Develop, enter and verify programs in supervisory control and data acquisition systems	Elective
UEEIC0005	Configure and maintain industrial control system networks	Elective
UEEIC0015	Develop, enter and verify word and analogue control programs for programmable logic controllers	Elective