

## 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, Cairns or Gold Coast 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, Cairns and Gold Coast campuses

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

**R. Robe**

For more information, please visit [www.eim.edu.au](http://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 |

