



Australian Government

Department of Education, Employment and Workplace Relations

UEE31210 Certificate III in Instrumentation and Control

Release: 1

UEE31210 Certificate III in Instrumentation and Control

Modification History

Not Applicable

Description

Scope

This qualification provides competencies to select, install, set up, test, fault find, repair and maintain systems and devices for measurement and recording of physical/chemical phenomenon and related process control.

Pathways Information

Not Applicable

Licensing/Regulatory Information

Not Applicable

Entry Requirements

Not Applicable

Employability Skills Summary

Not Applicable

Packaging Rules

Completion requirements

The requirements for awarding this qualification are that the following are successfully achieved:

- All of the Core competency standard units;
- The required number of Stream Core competency standard units;
- The required number of Elective competency standard units as prescribed in the respective Schedule; and
- All the required pre-requisite competency standard units have been met as required.

Core Competency Standard Units

All Core competency standard units to be achieved

UEENECC024B	Participate in instrumentation and control work and competency development activities
UEENEED007B	Develop, enter and verify programs for programmable logic controllers using ladder instruction set
UEENEEE001B	Apply OHS practices in the workplace
UEENEEE002B	Dismantle, assemble and fabricate electrotechnology components
UEENEEE003B	Solve problems in extra-low voltage single path circuits
UEENEEE004B	Solve problems in multiple path d.c. circuits
UEENEEE005B	Fix and secure equipment
UEENEEE007B	Use drawings, diagrams, schedules and manuals
UEENEEE035B	Document occupational hazards and risks in instrumentation
UEENEEH014B	Troubleshoot frequency dependent circuits
UEENEEI001B	Install and set up transducers and sensing devices
UEENEEI002B	Solve problems in pressure measurement systems
UEENEEI003B	Solve problems in density/level measurement systems
UEENEEI004B	Solve problems in flow measurement systems
UEENEEI005B	Solve problems in temperature measurement systems
UEENEEI006B	Solve problems in process controllers, transmitters and converters

Core Competency Standard Units

All Core competency standard units to be achieved

UEENEEI007C	Install process instrumentation and control cabling and tubing
UEENEEI008C	Install process control apparatus and associated equipment
UEENEEI010B	Set up and adjust process control loops
UEENEEI012B	Verify compliance and functionality of process control installations
UEENEEI013B	Select equipment for process control systems
UEENEPP001B	Disconnect and reconnect fixed wired electrical equipment connected to a Low Voltage supply

Stream Core Competency Standard Units

At least 2 of the following competency standard units to be achieved

UEENEEC001B	Maintain documentation
UEENEEC002B	Source and purchase material/parts for installation or service jobs
UEENEEC003B	Provide quotations for installation or service jobs
UEENEEC010B	Deliver a service to customers
UEENEED001B	Use basic computer applications relevant to a workplace
UEENEEE009B	Comply with scheduled and preventative maintenance program processes
UEENEEE020B	Provide basic instruction in the use of electrotechnology apparatus
UEENEK042A	Participate in environmentally sustainable work practices

Elective Competency Standard Units

In accordance with Schedule 3, which forms an integral part of this qualification, achieve a Unit Strand Total of at least 4 as specified.

Note: 1. Pre-requisite pathways shall be identified and met for all elective units selected.
2. In selecting elective units considerations to career planning advice should be given to units that form part of a pre-requisite pathway for the progression to achieve particular competencies or qualification at a higher level.

END OF QUALIFICATION
