



Australian Government

Department of Education, Employment and Workplace Relations

UEE50910 Diploma of Industrial Electronics and Control Engineering

Release: 1

UEE50910 Diploma of Industrial Electronics and Control Engineering

Modification History

Not Applicable

Description

Scope

This qualification provides competencies to develop, select, commission, maintain and diagnose faults/malfunctions of equipment and systems for the monitoring and control of plant, machines and processes.

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.
 - Note: UEENEEG005B - Those holding an 'Unrestricted Electricians Licence or equivalent issued in an Australian State or Territory meet the requirements of this unit and its pre-requisite requirements.

Core Competency Standard Units

All Core competency standard units to be achieved for option 1 or option 2

Core Competency Standard Units

All Core competency standard units to be achieved for option 1 or option 2

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
UEENEEE008B	Lay wiring/cabling and terminate accessories for extra-low voltage circuits
UEENEEE017B	Implement and monitor OHS policies and procedures
UEENEEE024C	Compile and produce an electrotechnology report
UEENEEE033B	Document occupational hazards and risks in electrical work
UEENEEE038B	Participate in development and follow a personal competency development plan
UEENEEE075B	Write specifications for industrial electronics and control projects
UEENEEG001B	Solve problems in electromagnetic circuits
UEENEEG002B	Solve problems in single and three phase low voltage circuits
UEENEEG003B	Install wiring and accessories for low voltage circuits
UEENEEG004B	Install low voltage electrical apparatus and associated equipment
UEENEEG005B	Verify compliance and functionality of general electrical installations
UEENEEG007B	Select and arrange equipment for general electrical installations
UEENEEG008B	Find and repair faults in electrical apparatus and circuits
UEENEEG009B	Develop and connect control circuits
UEENEEH043B	Diagnose and rectify faults in digital subsystems of electronic controls
UEENEEH044B	Diagnose and rectify faults in analogue circuits and components in

Core Competency Standard Units

All Core competency standard units to be achieved for option 1 or option 2
electronic control systems

Stream Core Competency Standard Units

At least 1 of the following competency standard units to be achieved

BSBMGT502B	Manage people performance
BSBINM501A	Manage an information or knowledge management system
BSBMGT516C	Facilitate continuous improvement
BSBINN502A	Build and sustain an innovative work environment
BSBWOR502B	Ensure team effectiveness

OR

Stream Core Competency Standard Units

At least 1 of the following competency standard units to be achieved

At least 4 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
UEENEEK042A	Participate in environmentally sustainable work practices
UEENEEK045A	Implement&monitor, policies&procedures for environmentally sustainable electrotech work practice

Elective Competency Standard Units

In accordance with Schedules 3, 4 and 5 which form an integral part of this qualification, achieve a Unit Strand Total of at least 26 of which at least 14 shall be selected from Schedule 5, and not more than 6 from Schedule 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.
 3. Registered training organisations shall provide competency development advice in relation to any licensing requirements to practice that apply, or can contribute towards the qualification requirement, prior to establishing the competency development plan.

END OF QUALIFICATION
