UEE50410 Diploma of Electrical Engineering

Release: 1
UEE50410 Diploma of Electrical Engineering

Modification History
Not Applicable

Description
Scope
This qualification provides competencies to develop, select, commission, maintain and diagnose faults/malfunctions on advanced electrical equipment and systems. It includes ERAC requirements for an 'Electrician's licence'.

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: UEEENEEG005B - 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

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
UEENEEE071B   Write specifications for electrical engineering 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

**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**
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
UEENED001B   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
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 32 of which at least 14 shall be selected from Schedule 5, and not more than 12 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**