



Australian Government

UEE40311 Certificate IV in Installation Inspection and Audits

Release: 2

UEE40311 Certificate IV in Installation Inspection and Audits

Modification History

| Release | Action | Core/Elective | Details | Points |
|---------|--------|---------------|--|--------|
| 2 | Edit | | Edit Name to reflect correct Unit title UEENEED104A Use engineering applications software on personal computers | 40 |
| 2 | Update | Group A | HLTCPR211A Perform CPR | 10 |

Description

Scope

This qualification provides competencies in mandatory and contractual inspections of electrical systems and auditing of entities for compliance with electrical safety requirements. 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 granting this qualification will be met when competency is demonstrated and achieved for:

- All the Core competency standard units, defined in the Core Competency Standard Units table below and
- A combination of Elective competency standard units to achieve a total weighting of 220 points in accordance with the Elective Competency Standard Units table below.

Note: UEENEEG105A - Those holding an 'Unrestricted Electricians Licence or equivalent issued in an Australian State or Territory meets the requirements of this unit and its pre-requisite requirements.

| Core Competency Standard Units | | Weighting Points |
|---|---|------------------|
| All Core competency standard units to be achieved | | |
| UEENEEE038B | Participate in development and follow a personal competency development plan | 20 |
| UEENEEE101A | Apply Occupational Health Safety regulations, codes and practices in the workplace | 20 |
| UEENEEE102A | Fabricate, dismantle, assemble of utilities industry components | 40 |
| UEENEEE104A | Solve problems in d.c. circuits | 80 |
| UEENEEE105A | Fix and secure electrotechnology equipment | 20 |
| UEENEEE107A | Use drawings, diagrams, schedules, standards, codes and specifications | 40 |
| UEENEEE117A | Implement and monitor energy sector OHS policies and procedures | 20 |
| UEENEEE124A | Compile and produce an energy sector detailed report | 60 |
| UEENEEE137A | Document and apply measures to control OHS risks associated with electrotechnology work | 20 |
| UEENEEG006A | Solve problems in single and three phase low voltage machines | 80 |
| UEENEEG033A | Solve problems in single and three phase low voltage electrical apparatus and circuits | 60 |

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|-----------------------------|--|-------------|
| UEENEEG063A | Arrange circuits, control and protection for general electrical installations | 40 |
| UEENEEG101A | Solve problems in electromagnetic devices and related circuits | 60 |
| UEENEEG102A | Solve problems in low voltage a.c. circuits | 80 |
| UEENEEG103A | Install low voltage wiring and accessories | 20 |
| UEENEEG104A | Install appliances, switchgear and associated accessories for low voltage electrical installations | 20 |
| UEENEEG105A | Verify compliance and functionality of low voltage general electrical installations | 40 |
| UEENEEG106A | Terminate cables, cords and accessories for low voltage circuits | 40 |
| UEENEEG107A | Select wiring systems and cables for low voltage general electrical installations | 60 |
| UEENEEG108A | Trouble-shoot and repair faults in low voltage electrical apparatus and circuits | 40 |
| UEENEEG109A | Develop and connect electrical control circuits | 80 |
| UEENEEG122A | Conduct compliance inspection of single phase LV electrical installations | 60 |
| UEENEEG123A | Conduct compliance inspection of LV electrical installations with demand exceeding 100 A per phase | 40 |
| UEENEEK145A | Implement and monitor energy sector policies and procedures for environmental and sustainable work practices | 20 |
| Total points in core | | 1060 |

Elective Competency Standard Units

Complete Elective units to achieve a total of weighting of 220 points from the following groups:

| Group | Minimum points | Maximum points |
|-------|----------------|----------------|
|-------|----------------|----------------|

| | | | |
|----------|--|-----|-----|
| A | Imported and Common Elective Units Imported units from other training packages and/or state accredited courses can be added to this group, but they must be selected from qualifications where the unit is first packaged at AQF level 4. If units have not being assigned a weighting by the relevant EE-Oz Industry Technical Advisory Committee, their weighting will be 10 points. | 0 | 80 |
| B | Qualification Elective Units | 0 | 110 |
| C | Qualification Elective Units You may select all your elective units from this Group | 110 | 220 |

| Group A – Imported and Common Elective Units | | Weighting Points |
|---|---|-------------------------|
| You may complete units to a maximum weighting of 80 | | |
| UEENEEC001B | Maintain documentation | 20 |
| UEENEEC010B | Deliver a service to customers | 20 |
| UEENEED101A | Use basic computer applications relevant to a workplace | 20 |
| CPCCOHS1001A | Work safely in the construction industry | 10 |
| HLTCPR211A | Perform CPR | 10 |
| | <p>Imported units from other training packages and/or state accredited courses can be added to this group, but they must be selected from qualifications where the unit is first packaged at AQF level 4. If units have not being assigned a weighting by the relevant EE-Oz Industry Technical Advisory Committee, their weighting will be 10 points.</p> <p>Note: For further information see Application of the NQC Flexibility Formula, UEE11 Electrotechnology Training Package, Version 1, Volume 1 Qualification Framework</p> | Up to 80 points |

| Group B – Qualification Elective Units | | Weighting Points |
|--|--|-------------------------|
| You may complete units to a maximum weighting of 110 | | |
| UEENEED104A | Use engineering applications software on personal computers | 40 |
| UEENEEG113A | Install and maintain emergency and safety systems. | 60 |
| UEENEEG116A | Diagnose and rectify faults in lifts/escalator systems | 80 |
| UEENEEG118A | Maintain operation of electrical mining equipment and systems | 60 |
| UEENEEG119A | Maintain the operation of electrical marine equipment and systems | 60 |
| UEENEEG120A | Select and arrange circuits and equipment for special electrical installations | 60 |
| UEENEEG126A | Install and maintain LV field power and distribution systems with a demand up to 200 A per phase | 40 |
| UEENEEG171A | Install, set up and commission interval metering | 20 |
| UEENEEI101A | Use instrumentation drawings, specifications, standards and equipment manuals | 40 |
| UEENEEI140A | Plan the electrical installation of integrated systems | 20 |
| UEENEEI141A | Develop electrical integrated systems | 20 |
| UEENEEK125A | Solve basic problems in photovoltaic energy apparatus and systems | 20 |
| UEENEEK148A | Install, configure and commission photovoltaic grid connected power systems | 40 |
| UEENEEM038A | Conduct testing of hazardous areas installations — coal mining | 40 |
| UEENEEM039A | Conduct testing of hazardous areas installations — gas atmospheres | 40 |
| UEENEEM040A | Conduct testing of hazardous areas installations | 40 |

| | | |
|-------------|--|----|
| | — dust atmospheres | |
| UEENEEM041A | Conduct testing of hazardous area installations — pressurisation | 40 |
| UEENEEM042A | Conduct visual inspection of hazardous areas installations | 40 |
| UEENEEM080A | Report on the integrity of explosion-protected equipment in a hazardous area | 20 |

| Group C – Qualification Elective Units | | Weighting Points |
|---|--|-------------------------|
| You must complete units to a minimum weighting of 110 You may select all your elective units from this Group | | |
| UEENEEM121A | Verify compliance and functionality of special LV electrical installations | 40 |
| UEENEEM124A | Conduct compliance inspection of special LV electrical installations | 60 |
| UEENEEM125A | Plan LV electrical installations with a demand up to 400A per phase | 40 |
| UEENEEM128A | Plan layouts for electrical switchboards and control panels | 40 |
| UEENEEM132A | Carry out and report electrical field testing findings | 60 |
| UEENEEM162A | Set up and place LV electrical apparatus and associated circuits into service | 40 |
| UEENEEM168A | Diagnose and rectify faults in complex lifts equipment and systems | 40 |
| UEENEEM172A | Investigate and produce reports on electrical incidents | 60 |
| UEENEEM175A | Develop compliance policies and plans to conduct a electrical contracting business | 80 |

Note:

1. Prerequisite 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 prerequisite pathway for the progression to achieve particular competencies or qualification at a higher level.

END OF QUALIFICATION

Custom Content Section

Not applicable.