

UEE42622 Certificate IV in Hazardous areas - Electrical

Modification History

Release 1. This is the first release of this qualification in the UEE Electrotechnology Training Package.

This qualification replaces and is not equivalent to UEE42620 Certificate IV in Hazardous areas - Electrical.

Modifications in this release include:

- UEEHA0025 and UEEHA0026 removed from group B (they are in Group C).
- UEEHA0037, UEEHA0024, UEEHA0036 and UEEHA0030 added to group B.
- UEEHA0027 added to Group C.
- Codes of superseded units updated.

Qualification Description

This qualification provides competencies to supervise selection, installation, commissioning maintenance and testing of explosion-protected equipment and systems for control and monitoring of plant and processes.

The qualification provides competencies in working with explosion-protection techniques.

It includes requirements and competencies to select, install, set up, test, fault find, repair and maintain stand-alone renewable energy equipment and systems.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

Entry Requirements

The entry requirement for this qualification is:

- Certificate III in Electrotechnology Electrician

or

- a current 'Unrestricted Electricians Licence' or its equivalent issued in an Australian state or territory.

Packaging Rules

A total of **440 weighting points** comprising:

200 core weighting points listed below; **plus**

240 general elective weighting points from the general elective units listed below.

Choose a total of 240 **weighting points** elective units from the list below, of which between 0 and 60 **weighting points** can be taken from Group A; between 0 and 80 **weighting points** can be taken from Group B; and between 140 and 240 can be taken from Group C (or all 240 elective **weighting points** can be taken from Group C).

Up to 60 weighting points of the general elective units Group A, may be selected, with appropriate contextualisation, from any relevant nationally endorsed Training Package or accredited course, provided selected units contribute to the vocational outcome of the qualification. Previously assigned weighting points are listed in the UEE Electrotechnology Training Package Companion Volume Implementation Guide (CVIG), if not listed weighting points will be 10 points, unless directed from the Electrotechnology Industry Reference Committee (IRC).

There are units of competency within this qualification that contain pre-requisites. Units of competency that have a pre-requisite requirement are identified by this symbol *. Refer directly to the units of competency to identify pre-requisite requirements to ensure all are complied with. A list of all pre-requisites is also provided in the UEE Pre-requisite Companion Volume.

Where imported units are selected, care must be taken to ensure all pre-requisite units specified are complied with.

| Core units | | Weighting Points |
|--|--|-------------------------|
| UEECD0010 | Compile and produce an energy sector detailed report | 60 |
| UEECD0024 | Implement and monitor energy sector WHS policies and procedures | 20 |
| UEECD0027 | Participate in development and follow a personal competency development plan | 20 |
| UEEHA0004 | Enter a classified hazardous area to undertake work related to electrical equipment | 40 |
| UEEHA0022 | Determine the explosion-protection requirements to meet a specified classified hazardous area* | 40 |
| UEERE0015 | Implement and monitor energy sector environmental and sustainable policies and procedures | 20 |
| Group A: Imported and common elective units | | Weighting Points |

| | | |
|-----------|--|----|
| BSBOPS203 | Deliver a service to customers | 20 |
| ICTICT214 | Operate application software packages | 20 |
| UEECD0011 | Comply with scheduled and preventative maintenance program processes | 20 |
| UEECD0035 | Provide basic instruction in the use of electrotechnology apparatus | 20 |
| UEECO0002 | Maintain documentation | 20 |
| UEECO0015 | Provide quotations for installation or service jobs | 20 |
| UEECO0017 | Source and purchase material/parts for installation or service jobs | 20 |

Group B: General elective units**Weighting
Points**

| | | |
|-----------|---|----|
| UEECD0050 | Use and maintain the integrity of a portable gas detection device* | 20 |
| UEEHA0024 | Inspect, maintain and fit plugs/couplers for reeling, trailing and flexible cables - coal mining* | 60 |
| UEEHA0030 | Repair reeling, trailing and flexible cables used in coal mining | 60 |
| UEEHA0031 | Supervise repair and overhaul of explosion-protected equipment type flameproof (Ex d)* | 60 |
| UEEHA0032 | Supervise repair and overhaul of explosion-protected equipment type increased safety (Ex e)* | 60 |
| UEEHA0033 | Supervise repair and overhaul of explosion-protected equipment type intrinsically safe (Ex i)* | 60 |
| UEEHA0034 | Supervise repair and overhaul of explosion-protected equipment type pressurised (Ex p)* | 60 |
| UEEHA0035 | Supervise repair and overhaul of explosion-protected rotating machines* | 60 |

| | | |
|-----------|--|----|
| UEEHA0036 | Test reeling, trailing and flexible cables and their attachments used in coal mining* | 60 |
| UEEHA0037 | Verify compliance of repaired reeling, trailing and flexible cables and attachments - coal mining* | 60 |
| UEEHA0039 | Supervise repair and overhaul of explosion-protected equipment type Group III ('t')* | 60 |

Group C: General elective units

Weighting Points

| | | |
|-----------|---|----|
| UEEHA0020 | Conduct detailed inspection of electrical installations for hazardous areas* | 40 |
| UEEHA0023 | Develop and manage periodic electrical inspection and maintenance programs for hazardous areas* | 20 |
| UEEHA0025 | Install explosion-protected equipment and associated apparatus and wiring systems* | 60 |
| UEEHA0026 | Maintain equipment associated with hazardous areas* | 60 |
| UEEHA0027 | Manage continuous supervision inspection of electrical installations for hazardous areas* | 40 |
| UEEHA0029 | Plan electrical installations for hazardous areas* | 20 |
| UEEHA0038 | Conduct visual and close inspection of electrical installations for hazardous areas* | 40 |

Qualification Mapping Information

This qualification replaces and is not equivalent to UEE42620 Certificate IV in Hazardous areas - Electrical.

Links

UEE - Electrotechnology Training Package Companion Volume Implementation Guide at: [\[sector webpage link here\]](#)