



**Australian Government**

# **UEE40220 Certificate IV in Electrical - Data and Voice Communications**

**Release 2**

# UEE40220 Certificate IV in Electrical - Data and Voice Communications

## Modification History

Release 2. Updated superseded HLT, BSB and ICT elective units.

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

## Qualification Description

This qualification covers competencies to select, install, commission, fault find and maintain electrical and communications systems and equipment in building and premises. It includes Australian Communications Media Authority (ACMA) requirements for Open Cabler registration.

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

## Entry Requirements

The entry requirement for this qualification is:

- UEE30820 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 **420 weighting points** comprising:

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

**160 general elective weighting points** from the general elective units listed below.

Choose a total of **160 weighting points** elective units from the list below, of which between 0 and **80 weighting points** can be taken from Group A; between 0 and **80 weighting points** can be taken from Group B; and between 80 and **160 weighting points** can be taken from Group C; or all minimum **160 weighting points** can be taken from Group C.

**Up to 80 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.

<b>Core units</b>		<b>Weighting Points</b>
UEECD0010	Compile and produce an energy sector detailed report	60
UEECD0016	Document and apply measures to control WHS risks associated with electrotechnology work*	20
UEECD0024	Implement and monitor energy sector WHS policies and procedures	20
UEECD0027	Participate in development and follow a personal competency development plan	20
UEEDV0005	Install and maintain cabling for multiple access to telecommunication services*	80
UEEDV0008	Install, modify and verify coaxial and structured communication copper cabling*	40
UEERE0015	Implement and monitor energy sector environmental and sustainable policies and procedures	20
<b>Group A: Imported and common elective units</b>		<b>Weighting Points</b>
BSBOPS203	Deliver a service to customers	20
CPCCWHS1001	Prepare to work safely in the construction industry	10
HLTAID009	Provide cardiopulmonary resuscitation	10
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: Qualification elective units****Weighting Points**

UEECD0028	Plan an integrated cabling installation system*	40
UEECS0003	Assemble, set up and test computing devices*	80
UEECS0029	Set up and configure basic local area network (LAN)*	80
UEECS0033	Use engineering applications software on personal computers	40
UEEDV0001	Assemble and connect telecommunication frames and cabinets*	60
UEEDV0002	Install aerial telecommunication cables*	40
UEEDV0004	Install and connect data and voice communication equipment*	40
UEEDV0006	Install and modify optical fibre performance data communication cabling*	40
UEEDV0007	Install underground communication cables*	40
UEEDV0009	Select and arrange data and voice equipment for local area networks*	40
UEEDV0010	Select and arrange equipment for wireless communication networks*	40
UEEDV0011	Set up and configure basic data communication systems*	40
UEEDV0012	Set up and configure the wireless capabilities of communications and data	40

	storage devices	
UEEDV0013	Solve problems in voice and data communications circuits*	40
UEEDV0014	Test, report and rectify faults in data and voice installations*	40
UEEIC0011	Develop electrical integrated systems*	20
UEEIC0024	Plan the electrical installation of integrated systems*	20
<b>Group C: Qualification elective units</b>		<b>Weighting Points</b>
UEECD0032	Produce detailed electrotechnology/utilities drawings using CAD equipment and software*	60
UEECD0047	Supervise and coordinate energy sector work activities	40
UEECO0001	Estimate electrotechnology projects	40
UEECO0013	Prepare specifications for the supply of materials and equipment for electrotechnology projects	40
UEECO0025	Provide quotations for inspection and compliance audit services	20
UEEIC0009	Develop an electrical integrated system interface for access through a touch screen*	20

## Qualification Mapping Information

This qualification replaces and is equivalent to UEE40211 Certificate IV in Electrical - Data and Voice Communications

## Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>