



**Australian Government**

# **UEE30220 Certificate III in Computer Systems Equipment**

**Release 1**

# UEE30220 Certificate III in Computer Systems Equipment

## Modification History

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, set up, test, fault find, repair and maintain computer equipment for data storage, personal computer and networks, measurement/analysis and control.

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

## Entry Requirements

There are no entry requirements for this qualification.

## Packaging Rules

A total of **1060 weighting points** comprising:

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

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

Choose a total of **500 weighting points** elective units from the list below, of which between 0 and 150 **weighting points** can be taken from Group A; and between 350 and 500 **weighting points** must be taken from Group B; or all 500 **weighting points** can be taken from Group B.

**Up to 150 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>
UEECD0007	Apply work health and safety regulations, codes and practices in the workplace	20
UEECD0016	Document and apply measures to control WHS risks associated with electrotechnology work*	20
UEECD0019	Fabricate, assemble and dismantle utilities industry components*	40
UEECD0042	Solve problems in ELV single path circuits*	40
UEECO0006	Participate in computer equipment work and competency development activities	60
UEECS0003	Assemble, set up and test computing devices*	80
UEECS0033	Use engineering applications software on personal computers	40
UEECS0032	Support computer hardware and software for engineering applications	120
UEECS0022	Install and configure a client computer operating system and software	40
UEECS0029	Set up and configure basic local area network (LAN)*	80
UEERE0001	Apply environmentally and sustainable procedures in the energy sector	20
<b>Group A: Imported and common elective units.</b>		<b>Weighting Points</b>
BSBCUS201	Deliver a service to customers	20
HLTAID003	Provide first aid	10
ICTICT203	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
<b>Group B: Qualification elective units.</b>		<b>Weighting Points</b>
UEEAS0001	Assemble electronic components*	40
UEEAS0003	Modify electronic sub-assemblies*	40
UEEAS0004	Select electronic components for assembly*	20
UEEAS0006	Use lead-free soldering techniques*	40
UEECD0020	Fix and secure electrotechnology equipment*	20
UEECD0021	Identify and select components, accessories and materials for energy sector work activities*	20
UEECD0025	Lay wiring/cabling and terminate accessories for extra-low voltage (ELV) circuits*	40
UEECD0040	Solve basic problems electronic and digital equipment and circuits*	80
UEECD0043	Solve problems in direct current circuits*	80
UEECD0045	Solve problems in multiple path extra-low voltage (ELV) a.c. circuits*	40
UEECD0051	Use drawings, diagrams, schedules, standards, codes and specifications*	40
UEECS0018	Develop web pages for engineering applications	40
UEECS0028	Select, install, configure and test multimedia components	40
UEECS0030	Set up, configure and test biometric devices	40
UEEDV0004	Install and connect data and voice communication equipment*	40
UEEDV0005	Install and maintain cabling for multiple access to telecommunication services*	80

UEEDV0006	Install and modify optical fibre performance data communication cabling*	40
UEEDV0008	Install, modify and verify coaxial and structured communication copper cabling*	40
UEEDV0009	Select and arrange data and voice equipment for local area networks*	40
UEEDV0010	Select and arrange equipment for wireless communication networks*	40
UEEDV0012	Set up and configure the wireless capabilities of communications and data storage devices	40
UEEEEC0003	Assemble and set up basic security systems*	80
UEEEEC0019	Develop software solutions for microcontroller-based systems*	60
UEEEEC0027	Enter instructions and test wired and wireless security systems*	40
UEEEEC0042	Install large security systems*	100
UEEEEC0055	Repair basic computer equipment faults by replacement of modules/sub-assemblies*	40
UEEEEC0059	Repair routine business equipment faults*	120
UEEEEC0060	Repairs basic electronic apparatus faults by replacement of components*	40
UEEEEC0065	Solve problems in basic electronic circuits*	100
UEEEEC0066	Troubleshoot amplifiers in an electronic apparatus*	80
UEEEEC0067	Troubleshoot basic amplifier circuits*	40
UEEEEC0069	Troubleshoot digital sub-systems*	80
UEEEEC0072	Troubleshoot microcontroller-based hardware systems	40
UEEEEC0075	Troubleshoot single phase input d.c power supplies*	40
UEEIC0002	Assemble, enter and verify operating instructions in microprocessor equipped devices*	20

## Qualification Mapping Information

This qualification replaces and is equivalent to UEE30211 Certificate III in Computer Systems Equipment

## Links

Companion Volume implementation guides are found in VETNet - -

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