



Australian Government

UEE30225 Certificate III in Computer Systems Equipment

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Modification History

Release	Comments
1	This qualification was first released in UEE Electrotechnology Training Package Release 8.0.

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.

This qualification has no minimum work placement hours.

Licensing/Regulatory Information

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. If weighting points are not listed for an imported unit in any other UEE qualification, default weighting will be 10 points.

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
UEECD00 07	Apply work health and safety regulations, codes and practices in the workplace
UEECD00 16	Document and apply measures to control WHS risks associated with electrotechnology work*
UEECD00 19	Fabricate, assemble and dismantle utilities industry components*
UEECD00 42	Solve problems in ELV single path circuits*
UEECO00 26	Engage in appliance, business or computer equipment servicing work and competency development
UEECS00 03	Assemble, set up and test computing devices*
UEECS00 33	Use engineering applications software on personal computers
UEECS00 32	Support computer hardware and software for engineering applications
UEECS00 22	Install and configure a client computer operating system and software
UEECS00 29	Set up and configure basic local area network (LAN)*
UEERE00 01	Apply environmentally and sustainable procedures in the energy sector

Group A: Imported and common elective units.		Weighting Points
BSBOPS203	Deliver a service to customers	20
HLTAID011	Provide First Aid	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
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

UEECD00 25	Lay wiring/cabling and terminate accessories for extra-low voltage (ELV) circuits*	40
UEECD00 40	Solve basic problems electronic and digital equipment and circuits*	80
UEECD00 43	Solve problems in direct current circuits*	80
UEECD00 45	Solve problems in multiple path extra-low voltage (ELV) a.c. circuits*	40
UEECD00 51	Use drawings, diagrams, schedules, standards, codes and specifications*	40
UEECS00 18	Develop web pages for engineering applications	40
UEECS00 28	Select, install, configure and test multimedia components	40
UEECS00 30	Set up, configure and test biometric devices	40
UEEDV00 04	Install and connect data and voice communication equipment*	40
UEEDV00 05	Install and maintain cabling for multiple access to telecommunication services*	80
UEEDV00 06	Install and modify optical fibre performance data communication cabling*	40
UEEDV00 08	Install, modify and verify coaxial and structured communication copper cabling*	40
UEEDV00 09	Select and arrange data and voice equipment for local area networks*	40
UEEDV00 10	Select and arrange equipment for wireless communication networks*	40
UEEDV00 12	Set up and configure the wireless capabilities of communications and data storage devices	40
UEEEC00 03	Assemble and set up basic security systems*	80

UEEEC0019	Develop software solutions for microcontroller-based systems*	60
UEEEC0027	Enter instructions and test wired and wireless security systems*	40
UEEEC0042	Install large security systems*	100
UEEEC0055	Repair basic computer equipment faults by replacement of modules/sub-assemblies*	40
UEEEC0059	Repair routine business equipment faults*	120
UEEEC0060	Repairs basic electronic apparatus faults by replacement of components*	40
UEEEC0065	Solve problems in basic electronic circuits*	100
UEEEC0066	Troubleshoot amplifiers in an electronic apparatus*	80
UEEEC0067	Troubleshoot basic amplifier circuits*	40
UEEEC0069	Troubleshoot digital sub-systems*	80
UEEEC0072	Troubleshoot microcontroller-based hardware systems	40
UEEEC0075	Troubleshoot single phase input d.c power supplies*	40
UEEIC0002	Assemble, enter and verify operating instructions in microprocessor equipped devices*	20

Pre-requisite Requirements

Unit of competency	Prerequisite requirement
UEEIC0002 Assemble, enter and verify operating instructions in microprocessor equipped devices	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

UEECS0029 Set up and configure basic local area network (LAN)	<p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECS0003 Assemble, set up and test computing devices</p>
UEEDV0008 Install, modify and verify coaxial and structured communication copper cabling	<p>UEECD0043 Solve problems in direct current circuits</p> <p>UEEDV0005 Install and maintain cabling for multiple access to telecommunication services</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UEECD0020 Fix and secure electrotechnology equipment</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
UEEEC0067 Troubleshoot basic amplifier circuits	UEEEC0060 Repairs basic electronic apparatus faults by replacement of components
UEEEC0027 Enter instructions and test wired and wireless security systems	UEEEC0003 Assemble and set up basic security systems

	<p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UEECD0020 Fix and secure electrotechnology equipment</p>
<p>UEEEC0019 Develop software solutions for microcontroller-based systems</p>	<p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p>
<p>UEECD0045 Solve problems in multiple path extra-low voltage (ELV) a.c. circuits</p>	<p>UEECD0043 Solve problems in direct current circuits</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
<p>UEEEC0075 Troubleshoot single phase input d.c power supplies</p>	<p>UEEEL0021 Solve problems in magnetic and electromagnetic devices</p> <p>UEEEC0065 Solve problems in basic electronic circuits</p> <p>UEECD0043 Solve problems in direct current circuits</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p>

	<p>UEECD0046 Solve problems in single path circuits</p> <p>UEEEC0060 Repairs basic electronic apparatus faults by replacement of components</p> <p>UEEEL0020 Solve problems in low voltage a.c. circuits</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UEEEC0074 Troubleshoot resonance circuits in an electronic apparatus</p> <p>UEECD0045 Solve problems in multiple path extra-low voltage (ELV) a.c. circuits</p> <p>UEEEL0019 Solve problems in direct current (d.c.) machines</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
UEEDV0004 Install and connect data and voice communication equipment	<p>UEECD0043 Solve problems in direct current circuits</p> <p>UEEDV0005 Install and maintain cabling for multiple access to telecommunication services</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UEEDV0006 Install and modify optical fibre performance data communication cabling</p>

	<p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UEECD0020 Fix and secure electrotechnology equipment</p> <p>UEEDV0008 Install, modify and verify coaxial and structured communication copper cabling</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications	<p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p>
UEEDV0006 Install and modify optical fibre performance data communication cabling	<p>UEEDV0005 Install and maintain cabling for multiple access to telecommunication services</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UEECD0020 Fix and secure electrotechnology equipment</p>
UEECD0021 Identify and select components, accessories and materials for energy sector work activities	<p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0009 Carry out routine work activities in an energy sector environment</p>

UEECD0019 Fabricate, assemble and dismantle utilities industry components	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
UEECD0020 Fix and secure electrotechnology equipment	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
UEECD0016 Document and apply measures to control WHS risks associated with electrotechnology work	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
UEECD0040 Solve basic problems electronic and digital equipment and circuits	UEECD0043 Solve problems in direct current circuits UEECD0007 Apply work health and safety regulations, codes and practices in the workplace UEECD0046 Solve problems in single path circuits UEECD0044 Solve problems in multiple path circuits
UEEEC0065 Solve problems in basic electronic circuits	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
UEEDV0010 Select and arrange equipment for wireless communication networks	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
UEEAS0003 Modify electronic sub-assemblies	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace UEEAS0001 Assemble electronic components

UEEAS0006 Use lead-free soldering techniques	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
UEEAS0004 Select electronic components for assembly	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
UEEEC0003 Assemble and set up basic security systems	UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications UEECD0019 Fabricate, assemble and dismantle utilities industry components UEECD0020 Fix and secure electrotechnology equipment
UEEEC0060 Repairs basic electronic apparatus faults by replacement of components	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace UEECD0019 Fabricate, assemble and dismantle utilities industry components
UEECD0042 Solve problems in ELV single path circuits	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
UEEEC0059 Repair routine business equipment faults	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications UEECD0019 Fabricate, assemble and dismantle utilities industry components

	UEECD0020 Fix and secure electrotechnology equipment
UEEEC0042 Install large security systems	<p>UEEEC0003 Assemble and set up basic security systems</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UEECD0020 Fix and secure electrotechnology equipment</p>
UEEEC0066 Troubleshoot amplifiers in an electronic apparatus	<p>UEECD0043 Solve problems in direct current circuits</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEEEC0067 Troubleshoot basic amplifier circuits</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
UEECD0025 Lay wiring/cabling and terminate accessories for extra-low voltage (ELV) circuits	<p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UEECD0020 Fix and secure electrotechnology equipment</p>

UEEEC0055 Repair basic computer equipment faults by replacement of modules/sub-assemblies	<p>UEECD0043 Solve problems in direct current circuits</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UEECD0040 Solve basic problems electronic and digital equipment and circuits</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
UEEAS0001 Assemble electronic components	<p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p>
UEEDV0005 Install and maintain cabling for multiple access to telecommunication services	<p>UEECD0043 Solve problems in direct current circuits</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UEECD0020 Fix and secure electrotechnology equipment</p>

	UEECD0044 Solve problems in multiple path circuits
UEEEC0069 Troubleshoot digital subsystems	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace UEEEC0060 Repairs basic electronic apparatus faults by replacement of components
UEECS0003 Assemble, set up and test computing devices	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
UEEDV0009 Select and arrange data and voice equipment for local area networks	UEECD0043 Solve problems in direct current circuits UEEDV0005 Install and maintain cabling for multiple access to telecommunication services UEECD0007 Apply work health and safety regulations, codes and practices in the workplace UEECD0046 Solve problems in single path circuits UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications UEEDV0006 Install and modify optical fibre performance data communication cabling UEECD0019 Fabricate, assemble and dismantle utilities industry components UEECD0020 Fix and secure electrotechnology equipment

	<p>UEEDV0008 Install, modify and verify coaxial and structured communication copper cabling</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
UEECD0043 Solve problems in direct current circuits	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

Qualification Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
UEE30225 Certificate III in Computer Systems Equipment	UEE30220 Certificate III in Computer Systems Equipment	This qualification replaces and is equivalent to UEE30220 Certificate III in Computer Systems Equipment	Equivalent

Links

Companion volumes, including implementation guides, are found in TGA - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>