



**Australian Government**

# **UEE30225 Certificate III in Computer Systems Equipment**

# UEE30225 Certificate III in Computer Systems Equipment

## 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.

<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
UEECO0026	Engage in appliance, business or computer equipment servicing work and competency development	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>
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
<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

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
UEEEEC00 03	Assemble and set up basic security systems*	80

UEEEEC00 19	Develop software solutions for microcontroller-based systems*	60
UEEEEC00 27	Enter instructions and test wired and wireless security systems*	40
UEEEEC00 42	Install large security systems*	100
UEEEEC00 55	Repair basic computer equipment faults by replacement of modules/sub-assemblies*	40
UEEEEC00 59	Repair routine business equipment faults*	120
UEEEEC00 60	Repairs basic electronic apparatus faults by replacement of components*	40
UEEEEC00 65	Solve problems in basic electronic circuits*	100
UEEEEC00 66	Troubleshoot amplifiers in an electronic apparatus*	80
UEEEEC00 67	Troubleshoot basic amplifier circuits*	40
UEEEEC00 69	Troubleshoot digital sub-systems*	80
UEEEEC00 72	Troubleshoot microcontroller-based hardware systems	40
UEEEEC00 75	Troubleshoot single phase input d.c power supplies*	40
UEEIC000 2	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>
UEEEEC0067 Troubleshoot basic amplifier circuits	UEEEEC0060 Repairs basic electronic apparatus faults by replacement of components
UEEEEC0027 Enter instructions and test wired and wireless security systems	UEEEEC0003 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>
UEEEEC0019 Develop software solutions for microcontroller-based systems	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
UEECD0045 Solve problems in multiple path extra-low voltage (ELV) a.c. circuits	<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>
UEEEEC0075 Troubleshoot single phase input d.c power supplies	<p>UEEEL0021 Solve problems in magnetic and electromagnetic devices</p> <p>UEEEEC0065 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>UEEEEC0060 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>UEEEEC0074 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	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
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	<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>
UEEED0065 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	<p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEEAS0001 Assemble electronic components</p>

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
UEEEEC0003 Assemble and set up basic security systems	<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>
UEEEEC0060 Repairs basic electronic apparatus faults by replacement of components	<p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p>
UEECD0042 Solve problems in ELV single path circuits	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
UEEEEC0059 Repair routine business equipment faults	<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>

	UEECD0020 Fix and secure electrotechnology equipment
UEEEEC0042 Install large security systems	<p>UEEEEC0003 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>
UEEEEC0066 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>UEEEEC0067 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>

<p>UEEE0055 Repair basic computer equipment faults by replacement of modules/sub-assemblies</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>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>
<p>UEEAS0001 Assemble electronic components</p>	<p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p>
<p>UEEDV0005 Install and maintain cabling for multiple access to telecommunication services</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>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
UEEEEC0069 Troubleshoot digital sub-systems	<p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEEEEC0060 Repairs basic electronic apparatus faults by replacement of components</p>
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	<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>
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>