Qualification details

UEE30911 - Certificate III in Electronics and Communications

Summary

	Release	Status	Release date
Releases:	5	Current	17/Apr/2014
	4	Replaced	07/Sep/2013
	3	Replaced	14/Aug/2013
	2	Replaced	06/Mar/2013
	1	Replaced	16/Mar/2012

Usage recommendation: **Superseded**

	Mapping	Notes	Date
Mapping:	Is superseded by and equivalent to UEE30920 - Certificate III in Electronics and Communications		05/Oct/2020
	Supersedes and is equivalent to UEE30910 - Certificate III in Electronics and Communications		16/Mar/2012

Training packages that include this qualification

Code	Title	Release
UEE11	Electrotechnology Training Package	1.4 - 1.5

Units of competency

Code	Title	Essential
HLTAID003	Provide first aid	Elective
ICTTEN3056A	Install telecommunications network equipment	Elective
MSS402001A	Apply competitive systems and practices	Elective
MSS402020A	Apply quick changeover procedures	Elective
MSS402021A	Apply Just in Time procedures	Elective
MSS402040A	Apply 5S procedures	Elective
MSS402080A	Undertake root cause analysis	Elective
MSS402081A	Contribute to the application of a proactive maintenance strategy	Elective
UEENEEA101A	Assemble electronic components	Elective
UEENEEA102A	Select electronic components for assembly	Elective
UEENEEA103A	Set up and check electronic component assembly machines	Elective
UEENEEA104A	Modify electronic sub assemblies	Elective
UEENEEA105A	Conduct quality and functional tests on assembled electronic apparatus	Elective
UEENEEA106A	Use lead-free soldering techniques	Elective
UEENEEB101A	Operate and maintain amateur radio communication stations	Elective
UEENEEC001B	Maintain documentation	Elective
UEENEEC002B	Source and purchase material/parts for installation or service jobs	Elective

Code		Title	Essential
UEENEEC003B		Provide quotations for installation or service jobs	Elective
UEENEEC010B		Deliver a service to customers	Elective
UEENEEC021B		Participate in electronics and communications work and competency development activities	Core
UEENEED101A		Use computer applications relevant to a workplace	Elective
UEENEED102A		Assemble, set-up and test computing devices	Elective
UEENEED104A		Use engineering applications software on personal computers	Elective
UEENEED112A		Support computer hardware and software for engineering applications	Elective
UEENEED129A		Develop web pages for engineering applications	Elective
UEENEED130A		Select, install, configure and test multimedia components	Elective
UEENEED143A		Install and configure a client computer operating system and software	Elective
UEENEED146A		Set up and configure basic local area network (LAN)	Elective
UEENEED153A		Set up, configure and test biometric devices	Elective
UEENEEE009B		Comply with scheduled and preventative maintenance program processes	Elective
UEENEEE020B		Provide basic instruction in the use of electrotechnology apparatus	Elective
UEENEEE101A		Apply Occupational Health and Safety regulations, codes and practices in the workplace	Core
UEENEEE102A		Fabricate, assemble and dismantle utilities industry components	Core
UEENEEE104A		Solve problems in d.c. circuits	Core
UEENEEE105A		Fix and secure electrotechnology equipment	Elective
UEENEEE107A		Use drawings, diagrams, schedules, standards, codes and specifications	Elective
UEENEEE108A		Lay wiring/cabling and terminate accessories for extra-low voltage (ELV) circuits	Elective
UEENEEE121A		Plan an integrated cabling installation system	Elective
UEENEEE122A		Carry out preparatory energy sector work activities	Elective
UEENEEE123A		Solve basic problems electronic and digital equipment and circuits	Elective
UEENEEE137A		Document and apply measures to control OHS risks associated with electrotechnology work	Core
UEENEEE179A		Identify and select components, accessories and materials for energy sector work activities	Elective
UEENEEF102A		Install and maintain cabling for multiple access to telecommunication services	Elective
UEENEEF104A		Install and modify performance data communication copper cabling	Elective
UEENEEF105A		Install and modify optical fibre performance data communication cabling	Elective
UEENEEF106A		Solve problems in voice and data communications circuits	Elective
UEENEEF107A		Set up and configure the wireless capabilities of communications and data storage devices	Elective
UEENEEF108A		Select and arrange equipment for wireless communication networks	Elective
UEENEEF109A		Install and connect data and voice communication equipment	Elective
UEENEEF110A		Select and arrange data and voice equipment for local area networks	Elective
UEENEEF111A		Test, report and rectify faults in data and voice installations	Elective
UEENEEF114A		Set up and configure basic data communication systems	Elective
UEENEEH101A		Repair basic computer equipment faults by replacement of modules/sub-assemblies	Elective
UEENEEH102A		Repairs basic electronic apparatus faults by replacement of components	Core
UEENEEH103A		Repair routine business equipment faults	Elective
UEENEEH104A		Set up and test residential video/audio equipment	Elective
UEENEEH105A		Verify functionality and compliance of custom electronic installations	Elective
UEENEEH106A		Assemble and set up fixed video/audio components and systems in buildings and premises	Elective

Code		Title	Essential
UEENEEH107A		Repair predictable faults in general electronic apparatus	Elective
UEENEEH108A		Assemble and install reception antennae and signal distribution equipment	Elective
UEENEEH109A		Set up and test gaming and game equipment	Elective
UEENEEH110A		Install commercial video/audio system components	Elective
UEENEEH111A		Troubleshoot single phase input d.c. power supplies	Core
UEENEEH112A		Troubleshoot digital sub-systems	Core
UEENEEH113A		Troubleshoot amplifiers in an electronic apparatus	Core
UEENEEH114A		Troubleshoot resonance circuits in an electronic apparatus	Core
UEENEEH115A		Develop software solutions for microcontroller based systems	Elective
UEENEEH116A		Find and repair microwave amplifier section faults in electronic apparatus	Elective
UEENEEH117A		Carry out repairs of predictable faults in video and audio replay/recording apparatus	Elective
UEENEEH118A		Fault find and repair electronic apparatus	Elective
UEENEEH119A		Repair predictable faults in television receivers	Elective
UEENEEH120A		Fault find and repair gaming and games equipment	Elective
UEENEEH121A		Fault find and repair high volume office equipment	Elective
UEENEEH122A		Fault find and repair remote control apparatus	Elective
UEENEEH123A		Fault find and repair microwave heating apparatus	Elective
UEENEEH124A		Repair predictable faults in audio components	Elective
UEENEEH127A		Set up and adjust commercial radio frequency (RF) transmission and reception systems	Elective
UEENEEH128A		Install and test microwave antennae and waveguides	Elective
UEENEEH138A		Fault find and repair complex power supplies	Core
UEENEEH139A		Troubleshoot basic amplifier circuits	Core
UEENEEH142A		Solve oscillator problems	Elective
UEENEEH146A		Solve fundamental electronic communications system problems	Core
UEENEEH150A		Assemble and set up basic security systems	Elective
UEENEEH151A		Install large security systems	Elective
UEENEEH152A		Enter instructions and test wired and wireless security systems	Elective
UEENEEH154A		Program and commission commercial security systems	Elective
UEENEEH155A		Program and commission commercial access control security systems	Elective
UEENEEH156A		Program and commission commercial security closed circuit television systems	Elective
UEENEEH161A		Install fire detection and warning system apparatus	Elective
UEENEEH162A		Verify compliance and functionality of fire protection system installations	Elective
UEENEEH163A		Enter and verify programs for fire protection systems	Elective
UEENEEH164A		Commission large fire protection systems	Elective
UEENEEH165A		Troubleshoot fire protection systems	Elective
UEENEEH166A		Troubleshoot microcontroller based hardware systems	Elective
UEENEEH169A		Solve problems in basic electronic circuits	Elective
UEENEEH171A		Troubleshoot faults in television receivers	Elective
UEENEEH172A		Troubleshoot communication systems	Elective
UEENEEH173A		Troubleshoot professional audio reproduction components	Elective
UEENEEH174A		Troubleshoot audio - video recording equipment	Elective
UEENEEH187A		Solve problems in electronic musical equipment circuits	Elective
UEENEEI101A		Use instrumentation drawings, specification, standards and equipment manuals	Elective

Code		Title	Essential
UEENEEI116A		Assemble, enter and verify operating instructions in microprocessor equipped devices	Elective
UEENEEI117A		Calibrate, adjust and test measuring instruments	Elective
UEENEEI150A		Develop, enter and verify discrete control programs for programmable controllers	Elective
UEENEEK142A		Apply environmentally and sustainable procedures in the energy sector	Core
UEENEEP010A		Disconnect - reconnect appliances connected to low voltage installation wiring	Elective
UEENEEP012A		Disconnect / reconnect composite appliances connected to low voltage installation wiring	Elective
UEENEEP017A		Locate and rectify faults in low voltage composite appliances using set procedures	Elective
UEENEEP024A		Attach cords and plugs to electrical equipment for connection to a single phase 230 Volt supply	Elective
UEENEEP025A		Attach cords, cables and plugs to electrical equipment for connection to 1000 Va.c. or 1500 Vd.c. supply	Elective

Classifications

Scheme	Code	Name
ANZSCO Identifier	342313	Electronic Equipment Trades Worker
ASCED Qualification/Course Field of Education Identifier	0313	Electrical And Electronic Engineering And Technology
ASCO (occupation type) Identifier	4315-11	Electronic Equipment Tradesperson
Qualification/Course Level of Education Identifier	514	Certificate III
Taxonomy - Industry Sector	N/A	Electrotechnology, Electrical Engineering, Entertainment Systems and Servicing
Taxonomy - Occupation	N/A	Security System Installer, Gaming Electronics Tradesperson, Business Equipment Technician, TV and Video Repairer, Electronics Tradesperson (Entertainment and Servicing), Electronics and Communications Tradesperson, Electronic Equipment Tradesperson, Custom Electronics Installations Technician, Electronics Tradesperson (Marine)

Classifications history

Scheme	Code	Name	Start date	End date
ANZSCO Identifier	342313	Electronic Equipment Trades Worker	07/Aug/2012	
ASCO (occupation type) Identifier	4315-11	Electronic Equipment Tradesperson	07/Aug/2012	
ASCED Qualification/Course Field of Education Identifier	0313	Electrical And Electronic Engineering And Technology	07/Aug/2012	
Qualification/Course Level of Education Identifier	514	Certificate III	16/Mar/2012	