

Qualification details



UEE42720 - Certificate IV in Air Conditioning and Refrigeration Servicing

Summary

Releases:	Release	Status	Release date
	3	Current	2022/10/24
	2	Replaced	2021/10/14
	1	Replaced	2020/10/05

Usage recommendation: **Current**

Mapping:	Mapping	Notes	Date
	Supersedes and is equivalent to UEE42711 - Certificate IV in Air-conditioning and Refrigeration Servicing		2020/10/05

Training packages that include this qualification

Code	Title	Release
UEE	Electrotechnology Training Package	2.0

Units of competency

Code	Title	Essential
BSBCUS201	Deliver a service to customers	Elective
CPCCWHS1001	Prepare to work safely in the construction industry	Elective
HLTAID001	Provide cardiopulmonary resuscitation	Elective
ICTICT203	Operate application software packages	Elective
UEECD0007	Apply work health and safety regulations, codes and practices in the workplace	Core
UEECD0010	Compile and produce an energy sector detailed report	Core
UEECD0011	Comply with scheduled and preventative maintenance program processes	Elective
UEECD0013	Develop and implement energy sector maintenance programs	Elective
UEECD0016	Document and apply measures to control WHS risks associated with electrotechnology work	Core
UEECD0019	Fabricate, assemble and dismantle utilities industry components	Core
UEECD0020	Fix and secure electrotechnology equipment	Core
UEECD0024	Implement and monitor energy sector WHS policies and procedures	Core
UEECD0027	Participate in development and follow a personal competency development plan	Core
UEECD0035	Provide basic instruction in the use of electrotechnology apparatus	Elective
UEECD0042	Solve problems in ELV single path circuits	Core
UEECD0051	Use drawings, diagrams, schedules, standards, codes and specifications	Core
UEECO0002	Maintain documentation	Elective
UEECO0015	Provide quotations for installation or service jobs	Elective
UEECO0017	Source and purchase material/parts for installation or service jobs	Elective

Code	Title	Essential
UEEIC0002	Assemble, enter and verify operating instructions in microprocessor equipped devices	Elective
UEEIC0013	Develop, enter and verify discrete control programs for programmable controllers	Elective
UEEIC0014	Develop, enter and verify programs in supervisory control and data acquisition systems	Elective
UEEIC0015	Develop, enter and verify word and analogue control programs for programmable logic controllers	Elective
UEERA0005	Apply safety awareness and legal requirements for ammonia refrigerant	Elective
UEERA0006	Apply safety awareness and legal requirements for carbon dioxide refrigerant	Elective
UEERA0007	Apply safety awareness and legal requirements for flammable refrigerants	Elective
UEERA0010	Commission complex heating, ventilation and air conditioning (HVAC) systems	Elective
UEERA0011	Commission complex refrigeration systems and equipment	Elective
UEERA0012	Commission complex refrigeration/air conditioning control systems	Elective
UEERA0013	Commission refrigeration/air conditioning hydronic systems	Elective
UEERA0031	Diagnose and rectify faults in air conditioning and refrigeration control systems	Core
UEERA0032	Diagnose and rectify faults in complex air conditioning/refrigeration systems	Core
UEERA0033	Diagnose faults in complex HVAC/refrigeration control systems	Elective
UEERA0035	Establish the basic operating conditions of air conditioning systems	Core
UEERA0036	Establish the basic operating conditions of vapour compression systems	Core
UEERA0044	Find and rectify faults in single phase motors and associated controls	Core
UEERA0045	Find and rectify faults in three phase motors and associated controls	Core
UEERA0046	Install and commission ammonia refrigeration systems, components and associated equipment	Elective
UEERA0047	Install and commission carbon dioxide refrigeration systems, components and associated equipment	Elective
UEERA0048	Install and commission flammable refrigerant air conditioning and refrigeration systems	Elective
UEERA0050	Install refrigerant pipe work, flow controls and accessories	Core
UEERA0051	Install, commission, service and maintain air conditioning systems	Core
UEERA0052	Install, commission, service and maintain low temperature systems	Core
UEERA0053	Install, commission, service and maintain medium temperature systems	Core
UEERA0054	Maintain microbial control of refrigeration and air conditioning systems	Elective
UEERA0056	Monitor and adjust refrigeration energy management systems	Elective
UEERA0059	Prepare and connect refrigerant tubing and fittings	Core
UEERA0062	Recover and charge refrigerants	Core
UEERA0065	Repair and service ammonia refrigeration systems	Elective
UEERA0066	Repair and service carbon dioxide refrigeration systems	Elective
UEERA0067	Repair and service secondary refrigeration systems	Elective
UEERA0068	Repair and service self-contained carbon dioxide refrigeration and heat pump systems	Elective
UEERA0069	Resolve problems in beverage dispensers	Elective
UEERA0070	Resolve problems in central plant air conditioning systems	Elective
UEERA0072	Resolve problems in hydronic systems	Elective
UEERA0073	Resolve problems in ice making systems	Elective
UEERA0074	Resolve problems in industrial refrigeration systems	Elective
UEERA0075	Resolve problems in post-mix refrigeration systems	Elective
UEERA0076	Resolve problems in refrigerated beverage vending cabinets	Elective

Code	Title	Essential
UEERA0077	Resolve problems in transport refrigeration systems	Elective
UEERA0078	Resolve problems in ultra-low temperature refrigeration systems	Elective
UEERA0079	Safely handle refrigerants and lubricants	Core
UEERA0081	Select refrigerant piping, accessories and associated controls	Core
UEERA0084	Service and repair self-contained flammable refrigerants air conditioning and refrigeration systems	Elective
UEERA0094	Verify functionality and compliance of refrigeration and air conditioning installations	Core
UEERE0015	Implement and monitor energy sector environmental and sustainable policies and procedures	Core
UEERL0001	Attach cords and plugs to electrical equipment for connection to a single phase 230 Volt supply	Core
UEERL0002	Attach cords, cables and plugs to electrical equipment for connection to 1000 V a.c. or 1500 V d.c.	Core
UEERL0004	Disconnect - reconnect electrical equipment connected to low voltage (LV) installation wiring	Core
UEERL0005	Locate and rectify faults in low voltage (LV) electrical equipment using set procedures	Core

Classifications

Scheme	Code	Name
ANZSCO Identifier	342111	Airconditioning And Refrigeration Mechanic
ASCED Qualification/Course Field of Education Identifier	0313	Electrical And Electronic Engineering And Technology
Qualification/Course Level of Education Identifier	511	Certificate IV
Taxonomy - Industry Sector	N/A	Electrotechnology
Taxonomy - Occupation	N/A	Air Conditioning and Mechanical Services Technician, Air Conditioning Technician

Classifications history

Scheme	Code	Name	Start date	End date
ANZSCO Identifier	342111	Airconditioning And Refrigeration Mechanic	2020/10/05	
ASCED Qualification/Course Field of Education Identifier	0313	Electrical And Electronic Engineering And Technology	2020/10/05	
Qualification/Course Level of Education Identifier	511	Certificate IV	2020/10/05	