

UEE32220 Certificate III in Air Conditioning and Refrigeration

DESCRIPTION

This qualification covers competencies to select components, install, set up, test, fault find, repair and maintain refrigeration systems and equipment that apply to food storage and preservation, and air conditioning and air distribution equipment in buildings and premises. It includes regulatory requirements for purchasing and handling refrigerants.

Refrigerant Handling Licence:

The achievement of the qualification meets the training components for the full national Refrigerant Handling Licence which is required to work on refrigeration and air conditioning equipment that carries the risk of a fluorocarbon refrigerant being emitted while decanting the refrigerant or manufacturing, installing, commissioning, servicing, maintaining or decommissioning refrigeration and air conditioning equipment.

Refrigeration and Air Conditioning Occupational Licence:

Additional and/or other conditions may apply in some jurisdictions subject to regulations related to refrigeration/air conditioning work. Practice in the workplace and during training is also subject to work health and safety (WHS)/occupational health and safety (OHS) regulations.

Electrical Occupation Licence:

The achievement of this qualification with the core restricted electrical units meet the electrical regulatory requirements for related restricted electrical work in most state/territories. This is required to work on electrical installations which are designed to operate at voltages greater than 50 volt (V) alternating current (a.c.) or 120 V direct current (d.c.).

ELIGIBILITY/ENTRY REQUIREMENTS

To ensure you have the right skills and support to succeed in your course, a Language, Literacy and Numeracy (LL&N) evaluation helps identify any areas where you may need additional support to help you achieve your goals.

To gain entry into UEE32220 Certificate III in Airconditioning and Refrigeration, candidates are required to:

- To be an Apprentice who has entered a Training Contract with their employer and Australian Apprenticeship Support Network NT

DELIVERY DETAILS

Location(s)	Duration*	Study mode
Casuarina	Part Time 6 Years Full Time 4 Years	Face-to-face, Simulated workplace, Industry practice

* Duration will vary depending on how long a student takes to reach the required competency level.

FEES

Fee Type	2024 Course Fees
NT Government Supported*	\$4,403.00
Full Fee	\$14,875.00

*This course is supported by the NT Government for domestic [eligible](#) students who are NT residents. A limited number of NT Government supported places are available, so secure your place now.

Fees shown are indicative and subject to change annually. Actual course fees may vary depending on the units chosen. International non-student visa-holders; study eligibility needs to be verified before enrolment. Fees may vary depending on the visa type.

For further clarification and information on fees, fee exemptions, payment options, instalment plans, and refunds, contact CDU on 1800 061 963 or refer to [TAFE Fees and Payments](#)

ASSESSMENT

Assessments vary with each unit. You will be provided with an assessment guide.

RECOGNITION OF PRIOR LEARNING (RPL)

RPL is a process that determines whether the skills, knowledge and experience you've gained through your previous study, work or life experience can count towards a vocational training qualification at CDU. For more information, [VET RPL](#).

RESOURCES

Students are issued with unit workbooks and task sheets for the unit undertaken.

STUDY AND CAREER PATHWAYS

Further training pathways from this qualification include but are not limited to UEE42920 Certificate IV in Refrigeration and Air Conditioning Systems.

Possible occupations relevant to this qualification include:

- Air conditioning and Refrigeration Mechanic
- Refrigeration Mechanic

QUALIFICATION CONTENT

To achieve a UEE32220 Certificate III in Air Conditioning and Refrigeration a total of one-thousand two-hundred and ten (1,210) points must be completed comprising of one-thousand and seventy (1,070) core points and one-hundred and forty elective points as detailed in the packaging rules and listed below.

CORE UNITS

POINTS

CORE UNITS	POINTS
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
UEECD0020*	Fix and secure electrotechnology equipment	20
UEECD0042*	Fix and secure electrotechnology equipment	40
UEECD0051*	Use drawings, diagrams, schedules, standards, codes and specifications	40
UEECO0010	Participate in refrigeration and air conditioning work and competency development activities	60
UEERA0031*	Diagnose and rectify faults in air conditioning and refrigeration control systems	60
UEERA0035*	Establish the basic operating conditions of air conditioning systems	20
UEERA0036*	Establish the basic operating conditions of vapour compression systems	60
UEERA0044*	Find and rectify faults in three phase motors and associated controls	40
UEERA0045*	Find and rectify faults in three phase motors and associated controls	30
UEERA0050*	Install refrigerant pipe work, flow controls and accessories	60
UEERA0051*	Install, commission, service and maintain air conditioning systems	80
UEERA0052*	Install, commission, service and maintain low temperature systems	40
UEERA0053*	Install, commission, service and maintain medium temperature systems	60
UEERA0059*	Prepare and connect refrigerant tubing and fittings	40
UEERA0062*	Recover and charge refrigerants	40
UEERA0079*	Safely handle refrigerants and lubricants	40
UEERA0081*	Select refrigerant piping, accessories and associated controls	40
UEERA0092*	Solve problems in low voltage refrigeration and air conditioning circuits	40
UEERA0094*	Verify functionality and compliance of refrigeration and air conditioning installations	40
UEERE0001	Apply environmentally and sustainable procedures in the energy sector	20
UEERL0001*	Attach cords and plugs to electrical equipment for connection to a single phase 230 Volt supply	20
UEERL0002*	Attach cords, cables and plus to electrical equipment for connection to 1000 V a.c. or 1500V d.c.	20
UEERL0004*	Disconnect - reconnect electrical equipment connected to low voltage (LV) installation wiring	60
UEERL0005*	Locate and rectify faults in low voltage (LV) electrical equipment using set procedures	20

ELECTIVE UNITS

POINTS

UEERA0007	Apply safety awareness and legal requirements for flammable refrigerants	10
UEERA0084*	Service and repair self-contained flammable refrigerants air conditioning and refrigeration systems	20
UEERA0005	Apply safety awareness and legal requirements for ammonia refrigerant	10
UEEIC0013*	Develop, enter and verify discrete control programs for programmable controllers	60
UEERA0006	Apply safety awareness and legal requirements for carbon dioxide refrigerant	10
HLTAID009	Provide cardiopulmonary resuscitation	10

*NOTE: Units marked * have pre-requisite unit requirements*

WITHDRAWING FROM A QUALIFICATION

You may withdraw from this qualification and receive, where relevant, a Statement of Attainment for all units of competency you have successfully completed.

SUPPORT SERVICES

The University supplies support for students in many areas, including Accommodation, Careers and Employability, Counselling, Disability Services, Student Advocacy, Indigenous Tutorial Support Services, International Student Support Services, Library Services, and VET Learner Support Services.

More information is available at [Student Support](#).

CONTACT DETAILS

Electrotechnology and Plumbing

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W. <https://www.cdu.edu.au/study/essentials>

For further information regarding student life at CDU, please refer to <https://www.cdu.edu.au/study/student-life>.