UEE32225 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.

Competency development activities in this qualification are subject to regulations directly related to licencing. A relevant contract of training through an apprenticeship or relevant employment may be required to enable the application of the required knowledge and skills to on the job work activities and environments.

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

A Language, Literacy, Numeracy and Digital Literacy (LLND) evaluation helps identify any areas where you may need additional support to help you achieve your goals.

To gain entry into UEE32225 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
- Hold an NT Apprentice Training Licence (Red Card) - https://electricallicensing.nt.gov.au/home.

CRICOS Provider No. 00300K (NT/VIC) | 03286A (NSW) | RTO Provider No. 0373 | ABN 54 093 513 649

DELIVERY DETAILS

Location(s)	Casuarina
Duration*	Full Time 4 Years block delivery Stage 1 – 4 x 2-week blocks Stage 2 – 3 x 2-week blocks + 1 x 1-week block Stage 3 – 3 x 2-week blocks + 1 x 1-week block Stage 4 – 1 x 1-week block (Capstone)
Study mode ^^	Face-to-face, Simulated workplace, Industry practice
Start Date/s ^	Start and end dates: January 11, 2027 – December 10, 2027 Apprentices will receive an individualised call-up notification letter.
Attendance	Block delivery: Monday to Friday 8.00 am to 4.20 pm

** Duration may vary depending on how long a student takes to reach the required competency level.*
^ Course timetable will be provided on application for the course.
^^Information relating to study modes can be found in the 2027 TAFE Student Guide

FEES

Fee Type	2027 Course Fees
NT Government Supported*	$4,700.50
Full Fee	$17,504.90

*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. For International non-student visa-holders; study eligibility needs to be verified before enrolment. Fees may vary depending on the visa type. The course fee rates will vary for commercial contract arrangements.

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

Skills and knowledge assessments are an essential step in progressing through your course. You may be assessed in a number of ways including written assessment, questioning , portfolios, work samples, direct observation, practical assessments and third-party feedback.

CRICOS Provider No. 00300K (NT/VIC) | 03286A (NSW) | RTO Provider No. 0373 | ABN 54 093 513 649

Throughout your course you will receive information about assessments including how, when and where assessments will be conducted.

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.

CREDIT TRANSFER (CT)

Charles Darwin University as a Registered Training Organisation recognises the Australian Qualifications Framework qualifications and Statement of Attainments issued by any other Australian Registered Training Organisation (RTO).

Students are encouraged to submit any requests for credit from previous studies at the time of enrolment, to ensure they are not enrolling in units they may not need to undertake.

RESOURCES

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

Students are required to obtain the appropriate and current textbooks and Australian Standards (as listed below):

- Australian Refrigeration and Air-Conditioning
- Edition 05 Volume 1 ISBN 9 780949 436900
- Edition 05 Volume 2 ISBN 9 780949 436085
- Available at the Charles Darwin University Bookshop.

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 Technician
- Refrigeration Mechanic
- Air Conditioning and Mechanical Services Technician

QUALIFICATION CONTENT

To achieve 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 (140) as detailed in the packaging rules and listed below. The electives offered may vary between campuses.

CRICOS Provider No. 00300K (NT/VIC) | 03286A (NSW) | RTO Provider No. 0373 | ABN 54 093 513 649

CORE UNITS

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
UEERA0099*	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

CRICOS Provider No. 00300K (NT/VIC) | 03286A (NSW) | RTO Provider No. 0373 | ABN 54 093 513 649

ELECTIVE UNITS

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
UETDRMP007*	Perform rescue from a live LV panel	20

**Pre-requisite units are listed below.*

Units	Prerequisite Unit/s
UETDRMP007	HLTAID009 and UEECD0007 or UETDREL006
UEECD0019, UEECD0020, UEECD0042, UEECD0051, UEERA0092, UEERA0059, UEERA0036, UEERA0035, UEERA0079, UEERA0062, UEERL0004, UEERL0001, UEECD0016, UEERA0081, UEERA0050, UEERA0045, UEERA0031, UEERA0053, UEERA0052, UEEIC0013	UEECD0007
UEERL0005	UEECD0007, UEERL0004
UEERL0002	UEERL0001
UEERA0099	UEECD0007, UEECD0051, UEERA0059, UEERA0035, UEERA0036, UEERA0050, UEERA0062, UEERL0004, UEERL0005
UEERA0084	UEERA0053 and UEERA0007 or UEERA0089 and UEERA0007
UEERA0094	UEECO0010, UEECD0007, UEECD0019, UEECD0042, UEECD0020, UEECD0051, UEECD0016, UEERA0044, UEERA0045, UEERA0059, UEERA0036, UEERA0035, UEERA0050, UEERA0081, UEERA0031, UEERA0092, UEERA0079, UEERA0062, UEERA0053, UEERA0052, UEERA0051, UEERE0001, UEERL0004, UEERL001, UEERL0005, UEERL0002

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.

CRICOS Provider No. 00300K (NT/VIC) | 03286A (NSW) | RTO Provider No. 0373 | ABN 54 093 513 649

SUPPORT SERVICES

The University provides support for students in many areas, including Accommodation, Careers and Employability, Counselling, Disability Services, Financial Support 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 - Life, Health and Wellbeing

CONTACT DETAILS

Electrotechnology and Plumbing

E. TAFE@cdu.edu.au
T. 08 8946 7505 (CAS) 08 8959 5461 (ASP)
W. https://www.cdu.edu.au/tafe

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

CRICOS Provider No. 00300K (NT/VIC) | 03286A (NSW) | RTO Provider No. 0373 | ABN 54 093 513 649