

UEE33020 Certificate III in Electrical Fitting

DESCRIPTION

This qualification provides competencies to manufacture, fit, assemble, erect, operate, test, fault find, alter and repair electrical equipment and includes electrical wiring work only if that work is associated with assembling, maintaining, terminating or altering the wiring between electrical components within a plant or machinery. An electrical fitter is not authorised to install any electrical wiring systems within an electrical installation as prescribed by definitions contained in AS/NZS 3000 Electrical installations (known as the Australian/New Zealand Wiring Rules).

The skills and knowledge described in this qualification may require a license or permit to practice in the workplace where work is carried out on electrical installations which are designed to operate at voltages greater than 50 volts (V) alternating current (a.c.) or 120 V direct current (d.c.).

Competency development activities in this qualification may be subject to regulations directly related to licensing. Where a license or permit to practice is not held, a relevant contract of training through an Australian Apprenticeship, may be required.

Licensing, legislative and regulatory requirements that apply to this qualification can vary between states and territories. Some jurisdictions require that the qualification is completed as an apprenticeship to obtain an Electrical Occupational License. Relevant information must be sourced prior to commencing the qualification. Where required for Licensing, the certification documentation issued must indicate if the qualification was completed as an apprenticeship or Trades Recognition Australia (TRA) pathway.

ELIGIBILITY/ENTRY REQUIREMENTS

To ensure you have the right skills and support to succeed in your course, 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 the UEE33020 Certificate III in Electrical Fitting, 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>.

DELIVERY DETAILS

Location(s)	Duration*	Study mode
Casuarina Alice Springs	Full Time 4 Years Part Time 6 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	2025 Course Fees
NT Government Supported*	\$3,811.00 - \$4,232.80
Full Fee	\$14,069.80 - \$15,627.04

*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. 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

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 have gained through your previous study, work or life experience can count towards a vocational training qualification at CDU. For more information, refer to [VET RPL](#).

RESOURCES

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

STUDY AND CAREER PATHWAYS

Further training pathways from this qualification include but are not limited to UEE42220 Certificate IV in Instrumentation and Control.

Possible occupations relevant to this qualification include:

- Electrical Fitter Technician

QUALIFICATION CONTENT

To achieve a UEE33020 Certificate III in Electrical Fitting a total of one-thousand and sixty (1,060) points must be completed comprising of eight-hundred and ten (810) core points and two-hundred and fifty (250) elective points as detailed in the packaging rules and listed below. The electives offered may vary between campuses.

CORE UNITS

POINTS

HLTAID009	Provide cardiopulmonary resuscitation	10
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
UEECD0044*	Solve problems in multiple path circuits	40
UEECD0046	Solve problems in single path circuits	40

UEECD0051*	Use drawings, diagrams, schedules, standards, codes and specifications	40
UEECO0023	Terminate cables, cords and accessories for low voltage circuits	60
UEEEL0003*	Arrange circuits, control and protection for electrical installations	40
UEEEL0005*	Develop and connect electrical control circuits	80
UEEEL0014*	Isolate, test and troubleshoot low voltage electrical circuits	60
UEEEL0019*	Solve problems in direct current (d.c.) machines	30
UEEEL0020*	Solve problems in low voltage a.c. circuits	80
UEEEL0021*	Solve problems in magnetic and electromagnetic devices	30
UEEEL0023*	Terminate cables, cords and accessories for low voltage circuits	40
UEEEL0024*	Test and connect alternating current (a.c.) rotating machines	50
UEEEL0025*	Test and connect transformers	30
UEEEL0028*	Conduct compliance and functional verification of electrical apparatus and existing circuits	40
UEEEL0047*	Identify, shut down and restart systems with alternate supplies	20
UEERE0001*	Apply environmentally and sustainable procedures in the energy sector	20

ELECTIVE UNITS (select a minimum of 250 points)

POINTS

UEEAS0007*	Assemble, mount and connect control gear and switchgear	40
UEEAS0009*	Mount and wire control panel equipment	40
UEEEL0008*	Evaluate and modify low voltage heating equipment and controls	20
UEEEL0009*	Evaluate and modify low voltage lighting circuits, equipment and controls	20
UEEEL0010*	Evaluate and modify low voltage socket outlets circuits	20
UEEIC0013*	Develop, enter and verify discrete control programs for programmable controllers	60
UEEIC0041*	Solve problems in pressure measurement components and systems	40
UEEIC0047*	Use instrumentation drawings, specifications, standards and equipment manuals	40
UEERA0059*	Prepare and connect refrigerant tubing and fittings	40
UETDRMP007*	Perform rescue from a live low voltage panel	20

*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

E. vet.electro@cdu.edu.au
T. 08 8946 7505 (CAS)- 08 8959 5465 (ASP)
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>.