

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).

Electrical equipment means any appliance, article, accessory, wire, fitting, cable, conduit or apparatus that generates, uses, conveys or controls (or that is intended to generate, use, convey or control) electricity above extra-low voltage (ELV).

The skills and knowledge described in this qualification may require a licence 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 volt (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 licence 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

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

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|---------------|---|
| Location(s) | Casuarina, Alice Springs |
| Duration* | 4 years Block delivery 3 to 4 x 2-week blocks each year over 4 years |
| Study mode ^^ | Face-to-face, Simulated workplace, Industry practice |
| Dates ^ | Start and end dates: January 12, 2026 – December 11, 2026 |

| | |
|-------------------|---|
| | <i>Apprentice will receive an individual call-up notification letter.</i> |
| Attendance | Face to Face as required. To be notified by Lecturer as required. |

* 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 2026 TAFE Student Guide

FEES

| Fee Type | 2026 Course Fees |
|--------------------------|---------------------------|
| NT Government Supported* | \$3,965.50 - \$4,404.40 |
| Full Fee | \$14,224.30 - \$15,798.64 |

*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.

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 units undertaken.

Student workbooks are included in the course cost; however, students are required to obtain the appropriate and current textbooks and Australian Standards (as listed below):

- Electrical Fitter Technician
- Electrical Trade Principles 6th Edition (Steven Hanssen/Jeffrey Hampson) Cengage
- Electrotechnology Practice 6th Edition (Steven Hanssen/Jeffrey Hampson) Cengage
- AS/NZS 3000:2018 Electrical Installations “Wiring Rules”
- AS/NZS 3008:1.1.2017 Electrical Installations – Selection of Cables Part 1.1
- AS/NZS 3017:2022 Electrical Installations – Verification by Inspection and Testing

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 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

| | | |
|------------|---|----|
| 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

| | | |
|-------------|--|----|
| 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 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: vet.electro@cdu.edu.au

T: 08 8946 7505 (CAS) 08 8959 5465 (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>.