

UEE30820 - Certificate III in Electrotechnology Electrician

Overview

This qualification covers the skills and knowledge competencies to select, install, set up, test, fault find, repair and maintain electrical systems and equipment in building and premises. It includes ERAC requirements for an 'Electrician's license'.

Duration

This program is offered as a 48 Month (4year) Australian Apprenticeship Training Contract.

Note: usually completed in approx. 3.5 years

You will be assigned an ATEC Case Manager who will work with you and your employer to develop a Training Plan that suits the needs of you and your employer.

Assessment

There are theory and practical training and assessment components to the course. Skills will be trained and assessed through a blend of off-the-job (trade school), self paced study and on-the-job skill development

Entry Requirements

Participants **MUST**:

- Be signed into an approved Training Contract with an employer through an Australian Apprenticeship Support Network
- Be 16 years or older for a standard apprenticeship training contract; or
- 15 years or older for a school-based apprenticeship training contract
- Be an Australian/New Zealand Citizen or hold an eligible VISA.
- Have the ability to read, write and understand basic English and carry out basic mathematical calculations.
- Have the physical ability to perform practical electrical skills.

Course Fees

Please contact ATEC on 1300 112 832 for further information on course fees. *Note: Students are required to contribute towards tuition fees and other incidentals such as text books.*

Subsidised Training

Subsidised Fee

Photovoltaic Stream - \$4,140.00 (GST exempt)

Telecommunication Stream - \$4,140.00 (GST exempt)

Please contact ATEC so we can assess your eligibility <https://skills.sa.gov.au/>

This course may be subsidised by the Construction Industry Training Board (CITB) for eligible participants visit <https://citb.org.au/construction-workers-or-apprentices/apply-for-a-citb-number> to apply.

Note: Tuition and incidental fees will still require contribution by learners if eligible for funding

Learner Requirements

- Provide your Unique Student Identifier (USI). To apply for a USI go to <https://www.usi.gov.au/your-usi/create-usi>
- Provision of Australian legal photo identification for enrolment purposes
- Applicants will be required to attend an enrolment session and undertake a Literacy and Numeracy Assessment at a level required to successfully complete the qualification. *Potential clients who are identified as not meeting course requirements will be assisted with referral to appropriate support services.*

PPE (Personal Protective Equipment)

To be supplied by participant:

- Safety Boots (steel cap)
- Safety glasses (non-tinted)
- Long pants
- Long-sleeved shirt (for WHS reasons please do not wear excessively loose clothing)
- High visibility vest (high visibility shirt/jumper is acceptable)

Outcome

On successful completion of all requirements of this course, learners will be issued with:

- 1) A Record of Results; and a
- 2) Certificate for the UEE30820 - Certificate III in Electrotechnology Electrician.

Note: Students who do not complete all the requirements of this course will receive a Statement of Attainment for the units of competency that have been successfully achieved.

Locations

- Ottoway
- Some training may be required at Lonsdale

Pre-enrolment information

Important information for prospective students in regards to ATEC Policies is available at [Certificate III in Electrotechnology Electrician | ATEC](#)

How to apply

Applications and enquiries can be made:

- Online – <https://atec.asn.au/>
- Email – bookings@atec.asn.au
- Call ATEC on 1300 112 832

Sample training plan - **Packaging rules**

A total of 1,110 weighting points comprising:

990 core weighting points listed below; plus
120 general elective weighting points.

Core units	Unit Title	Nominal Hours	Points
HLTAID009	Provide cardiopulmonary resuscitation	4	10
UEECD0007	Apply work health and safety regulations, codes and practices in the workplace	20	20
UEECD0016	Document and apply measures to control WHS risks associated with electrotechnology work	20	20
UEECD0019	Fabricate, assemble and dismantle utilities industry components	40	40
UEECD0020	Fix and secure electrotechnology equipment	20	20
UEECD0044	Solve problems in multiple path circuits	40	40
UEECD0046	Solve problems in single path circuits	40	40
UEECD0051	Use drawings, diagrams, schedules, standards, codes and specifications	40	40
UEECO0023	Participate in electrical work and competency development activities	20	60
UEEEL0003	Arrange circuits, control and protection for electrical installations	40	40
UEEEL0005	Develop and connect electrical control circuits	80	80
UEEEL0008	Evaluate and modify low voltage heating equipment and controls	20	20
UEEEL0009	Evaluate and modify low voltage lighting circuits, equipment and controls	20	20
UEEEL0010	Evaluate and modify low voltage socket outlets circuits	20	20
UEEEL0012	Install low voltage wiring, appliances, switchgear and associated accessories	40	40
UEEEL0014	Isolate, test and troubleshoot low voltage electrical circuits	80	60
UEEEL0018	Select wiring systems and select cables for low voltage electrical installations	80	60
UEEEL0019	Solve problems in direct current (d.c.) machines	30	30
UEEEL0020	Solve problems in low voltage a.c. circuits	80	80
UEEEL0021	Solve problems in magnetic and electromagnetic devices	30	30
UEEEL0023	Terminate cables, cords and accessories for low voltage circuits	40	40
UEEEL0024	Test and connect alternating current (a.c.) rotating machines	40	50
UEEEL0025	Test and connect transformers	40	30
UEEEL0039	Design, install and verify compliance and functionality of general electrical installations	60	40
UEEEL0047	Identify, shut down and restart systems with alternate supplies	20	20
UEERE0001	Apply environmentally and sustainable procedures in the energy sector	20	20
UETDRRF004	Perform rescue from a live LV panel	6	20
Core Units Total Hours/Points		990	990
Photovoltaic Stream Electives			
UEECO0002	Maintain documentation	20	20
UEECO0017	Source and purchase material/parts for installation or service jobs	20	20
UEEEL0076	Inspect, test and maintain emergency lighting systems	30	20
UEERE0054	Conduct site survey for grid-connected photovoltaic and battery storage systems	30	30
UEERE0081	Install photovoltaic systems to power conversion equipment	60	30
Core Units plus Photovoltaic Stream Total Hours/Points		1150	1110
Telecommunication Stream Electives			
UEEDV0005	Install and maintain cabling for multiple access to telecommunication services	120	80
UEEDV0008	Install, modify and verify coaxial and structured communication copper cabling	40	40
Core Units plus Telecommunication Stream Total Hours/Points		1150	1110



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