RTO CODE: 0022

# UEE30820 - Certificate III in Electrotechnology Electrician

ATEC
Adelaide Training & Employment Centre

## 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 (4-year) 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 - $3565.00 (GST exempt)
Telecommunication Stream - $3565.00 (GST exempt)
*Please contact ATEC so we can assess your eligibility* www.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 the 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 – www.atec.asn.au
- Email – bookings@atec.asn.au
- **Call ATEC on 1300 112 832**



**Ottoway**
275 Grand Junction Rd
Ottoway SA 5013

**Lonsdale**
5 Refinery Road
Lonsdale SA 5160

www.atec.asn.au
T 1300 112 832
E bookings@atec.asn.au

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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