

Fact sheet

Electrician

(General)

(ANZSCO: 341111)



Job description

Electricians (General) install, test, connect, commission, maintain and modify electrical equipment, wiring and control systems.

Their job involves:

- » determining the load requirements for electrical wiring in buildings and premises using blueprints, wiring diagrams, codes and specifications to determine sequences and methods of operation
- » measuring and laying out installation reference points
- » selecting, cutting, connecting and installing wire and cable to terminals and connectors
- » using electrical and electronic test instruments to trace and diagnose faults
- » repairing and replacing faulty wiring and defective parts
- » positioning and installing single and three-phase electrical switchboards
- » connecting electrical systems to power supply
- » testing continuity of circuit
- » installing, testing and adjusting electric and mechanical parts of lifts.

The qualification relevant to this job is [UEE30811 Certificate III in Electrotechnology Electrician](#).

How will I be assessed?

Stage 1:

We will review your training and employment evidence to ensure you have:

- » 6 years' employment experience as an Electrician (General) (with no formal training) **OR**
- » 4 years' employment experience as an Electrician (General) (with relevant formal training*).

*'Formal training' is training that aligns with the national training standards in your country of training

Your evidence must show you have worked in your occupation for at least 12 months within the last 3 years.

NOTE: Unlicensed work in Australia cannot be accepted as evidence of employment.

[For more information on the documents required for Stage 1, see the Evidence Guide on our website.](#)

Stage 2:

If you are successful in Stage 1, an assessor will assess you via a Practical Assessment and a Technical Interview.

These assessments are conducted on the same day. The assessments will be conducted in English and no interpreters are allowed.

[For more information on Stage 2, see the Practical Assessment / Technical Interview Guide on our website.](#)

What skills and knowledge do I need?

To be awarded an Offshore Technical Skills Record, you must demonstrate your skill and knowledge in the following **units of competency**. Each unit of competency defines a selection of knowledge and skill required in Australian workplaces.

You must demonstrate competency in **22 units** (organised into 4 groups), and demonstrate competency in **1 group of elective units**.

ELECTRICAL INSTALLATION WORK

- » UEENEEG063A Arrange circuits, control and protection for general electrical installations
- » UEENEEG104A Install appliances, switchgear and associated accessories for low voltage electrical installations
- » UEENEEG106A Terminate cables, cords and accessories for low voltage circuits
- » UEENEEG107A Select wiring systems and cables for low voltage general electrical installations
- » UEENEEE105A Fix and secure electrotechnology equipment
- » UEENEEE102A Fabricate, assemble and dismantle utilities industry components
- » UEENEEG103A Install low voltage wiring and accessories
- » UEENEEG105A Verify compliance and functionality of low voltage general electrical installations

ELECTRICAL CONTROL, FAULT FINDING AND REPAIR

- » UEENEEG109A Develop and connect electrical control circuits
- » UEENEEG108A Trouble-shoot and repair faults in low voltage electrical apparatus and circuits

APPLIED ELECTRICAL KNOWLEDGE

- » UEENEEG102A Solve problems in low voltage a.c. circuits
- » UEENEEE104A Solve problems in d.c. circuits
- » UEENEEG101A Solve problems in electromagnetic devices and related circuits
- » UEENEEG033A Solve problems in single and three phase low voltage electrical apparatus and circuits
- » UEENEEG006A Solve problems in single and three phase low voltage machines

ELECTRICAL WORK PRACTICES

- » UEENEEE137A Document and apply measures to control OHS risks associated with electrotechnology work
- » UEENEEC001B Maintain documentation
- » UEENEEC010B Deliver a service to customers
- » UEENEEC020B Participate in electrical work and competency development activities
- » UEENEEE101A Apply Occupational Health Safety regulations, codes and practices in the workplace
- » UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications
- » UEENEEK142A Apply environmentally and sustainable procedures in the energy sector

ELECTIVES

You must demonstrate skills, knowledge and experience in **ONE** of the following four elective groups.

ELECTRICAL INSTALLATIONS

- » UEENEEG113A Install and maintain emergency safety systems
- » UEENEEG189A Install and maintain emergency lighting systems

VOICE AND DATA COMMUNICATIONS

- » UEENEEF102A Install and maintain cabling for multiple access to telecommunication services

ELECTRICAL CONTROL

- » UEENEEI101A Use instrumentation drawings, specification, standards and equipment manuals
- » UEENEEI150A Develop, enter and verify discrete control programs for programmable controllers
- » UEENEEI116A Assemble, enter and verify operating instructions in microprocessor equipped devices

ELECTRICAL ENERGY SUPPLY

- » UETTDRIS67A Solve problems in energy supply network equipment
- » UETTDRIS68A Solve problems in energy supply network protection equipment and systems

How do I find out more about each unit of competency?

You are **strongly encouraged** to review each of the units of competency shown above. To do this:

1. Go to the following website: <http://training.gov.au/Search/Training>
2. Enter a unit code (e.g. UEENEEC001B) into the 'Title or code' search box
3. Tick the 'Units of competency' check box
4. Select the 'Search' button
5. Select the unit from the search results
6. Read the Unit of Competency information

What will I receive after the assessment?

If you **successfully** complete Stage 2 you will receive:

- » an Offshore Technical Skills Record (OTSR) that lists the units of competency in which you have been assessed as having successfully demonstrated the required technical skills
- » a migration outcome letter if the assessment is to support your visa application.

If you are **unsuccessful** in Stage 2 you will be receive:

- » an Unsuccessful Assessment Outcome letter that lists the units of competency for which you demonstrated equivalent technical skills and those that were not achieved.





What is an OTSR?

The OTSR is a form of skills documentation that VETASSESS issues to individuals who successfully complete the practical skills assessment in UEE30811 Certificate III in Electrotechnology Electrician. The OTSR lists the technical skills demonstrated in the practical assessment and any gaps in the Australian skills or knowledge component which need to be bridged to meet the full standard, for example the Australian Wiring Rules for electrical trades.

The regulators for the Australian Electrical Industry have agreed to provide a provisional (restricted) license against the OTSR to allow applicants to work in Australia, while they complete the 'Australian knowledge' gap training.

Registered Training Organisations (RTOs) including TAFE Institutes will view the OTSR as evidence of recognition of your skills contributing to a statement of attainment or qualification. Some RTOs in each State and/or Territory will offer the required gap training to meet the qualification and licensing requirements. If you would like information about gap training, please refer to the E-Oz website at www.e-oz.com.au.

The OTSR entitles the holder to obtain 'provisional' licensing or registration. To obtain a full licence, work experience in Australia and completion of the required Australian minimum content gap training is required. You must complete gap training and work under supervision when you arrive in Australia, before you can be awarded a Certificate III in your occupation.

A 'licensed electrician' means a person who is licensed to undertake unsupervised electrical work in a jurisdiction and undertakes selection, assembling, constructing, installing, testing, fault finding, commissioning, maintaining, repairing, altering, removing, or replacing of electrical equipment and/or electrical installations. It may include supervision or inspection of electrical work.

Licensing and industry information

A licence, registration or certification may be required for this occupation.

For further information regarding any licensing requirements refer to mutual recognition for occupational licences in Australia: www.licencerecognition.gov.au

Additional industry information that may assist you can be found at the myfuture website - Australia's national career information and exploration service, helping people to make career decisions, plan career pathways and manage work transitions: <http://www.myfuture.edu.au>

Where can I find more information?

Please refer to our website: <http://www.vetassess.com.au/skills-assessment-for-migration/trade-occupations>

If you have further questions, contact us at:

 +61 3 9655 4801

 vetassess@vetassess.com.au



Head Office:
Level 5, 478 Albert Street, East Melbourne 3002, Victoria, Australia
T +61 3 9655 4801 F +61 3 9654 3385
E vetassess@vetassess.com.au ABN 74 802 942 886
vetassess.com.au

