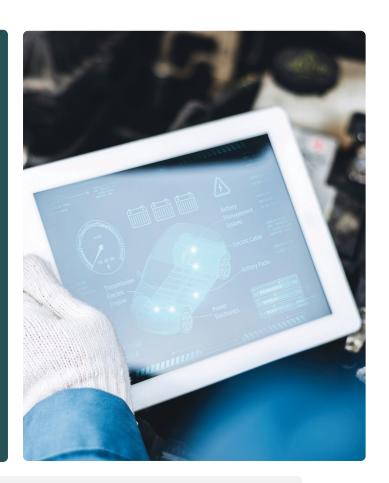


### **Automotive Electrician**

ANZSCO Code: 321111

#### **Occupation Description:**

Automotive Electricians install, maintain and repair electrical wiring and electronic components in motor vehicles.



#### Their job involves:

- > using test equipment to locate electrical and electronic malfunctions.
- dismantling and removing electrical and electronic assemblies and components.
- installing electrical equipment and electronic components in motor vehicles.
- connecting power-operated vehicle equipment and accessories to power supply.
- > adjusting engine control systems and timing.
- testing and replacing defective alternators, generators, voltage regulators and starter motors.
- > repairing and replacing faulty ignition and electrical wiring.
- replacing defective parts such as fuses, lamps and switches.

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#### How will I be assessed?

# **Stage 1:**Documentary Evidence Assessment

We will review your documentary evidence to ensure it meets the employment and training requirements and indicates that you have the necessary skills, knowledge and experience as a Automotive Electrician.

You can find information about the employment, training, and document requirements below:

- For information on what evidence you need to include with your application, download the Evidence guide.
- If you are in pathway 1 you also need to find information on assessment for your specific occupation
  - Video Guide
  - Observation report
- For information about the employment experience requirements for a Pathway 1 application, please refer to the Pathway 1 Employment Experience Guidelines.
- If you are applying for a Pathway 2 assessment, please read the Pathway 2 Assessment Guide.

## **Stage 2:** Technical Assessment

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If you are successful in Stage 1, you will complete a technical assessment.

For more information about the technical assessment, see the **Pathway 1 Technical Assessment Guide** and **Pathway 2 Candidate Guide**.

### What skills and knowledge do I need?

The qualification relevant to this occupation is the **AUR30320 Certificate III in Automotive Electrical Technology.** To be awarded this qualification, you must demonstrate your skills and knowledge in the units of competency listed in the table below. Each unit of competency defines a selection of knowledge and skills required in Australian workplaces.

You must achieve 32 units of competency:

- > 21 core units
- > 11 elective units

General automotive workplace skills	
Code	Title
AURAFA103	Communicate effectively in an automotive workplace
AURASA102	Follow safe working practices in an automotive workplace
AURAFA002	Read and respond to automotive workplace information
AURAEA002	Follow environmental and sustainability best practice in an automotive workplace
AURTTK102	Use and maintain tools and equipment in an automotive workplace
AURETK002	Use and maintain electrical test equipment in an automotive workplace
AURTTA104	Carry out servicing operations
AURTTE104	Inspect and service engines

General ele	General electrical repairs	
Code	Title	
AURETRO07	Apply knowledge of automotive electrical circuits and wiring systems	
AURETR112	Test and repair basic electrical circuits	
AURETRO10	Repair wiring harnesses and looms	
AURETRO06	Solder electrical wiring and circuits	
AURTTW001	Carry out soft soldering techniques	
AURETR125	Test, charge and replace batteries and jump-start vehicles	
AURTTA118	Develop and carry out diagnostic test strategies	

Componen	Component removal and installation	
Code	Title	
AURETRO11	Install basic ancillary electrical systems and components	
AURETRO27	Install ancillary electronic systems and components	

Chargir	ng and starting systems	
Code	Title	

Oode	Trace
AURETRO13	Inspect, test and service charging systems
AURETR129	Diagnose and repair charging systems
AURETR014	Inspect, test and service starting systems
AURETR130	Diagnose and repair starting systems
AURETRO18	Overhaul starting system motors

### Lighting and instrumentation

Code	Title
AURETRO09	Install vehicle lighting and wiring systems
AURETR132	Diagnose and repair automotive electrical systems
AURETR128	Diagnose and repair instruments and warning systems

#### **Engine management**

Code	Title
AURETR135	Apply knowledge of petrol and diesel engine operation
AURETR131	Diagnose and repair ignition systems
AURETR123	Diagnose and repair spark ignition engine management systems
AURETR124	Diagnose and repair compression ignition engine management systems

#### **Body management**

Code	Title
AURETR143	Diagnose and repair electronic body management systems
AURETR144	Diagnose and repair integrated engine and transmission management systems
AURETR122	Diagnose and repair dynamic vehicle control 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.
- 2. Enter a unit code (e.g. MSMWHS200) into the 'Title or code' search box.
- 3. Click on the 'NRT' button.
- 4. Click on the 'Search' button.
- 5. Read the Unit of Competency information.

#### 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

tradeassess@vetassess.com.au