

# Automotive Electrician

(ANZSCO: 321111)



## Job description

Automotive Electricians install, maintain and repair electrical wiring and 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.

The qualification relevant to this job is [AUR30316 Certificate III in Automotive Electrical Technology](#).

**NOTE:** This trade assessment is for generic motor mechanics dealing with automotive electrical systems. It does not extend to heavy vehicle road transport and light vehicle mechanics or specialty areas such as automotive air-conditioning mechanic, brake mechanic, diesel motor mechanic, motorcycle mechanic or outboard motor mechanic.

## How will I be assessed?

Assessment is conducted in two stages:

### Documentary Evidence Assessment:

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

- with no formal training – five years work experience.
- with formal training – three years work experience
- the range of skills and knowledge required by an Automotive Electrician.

Your experience may include time spent in workplace-based training, up to a maximum of 12 months.

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

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

### Technical Interview:

If you are successful in Documentary Evidence Assessment, an assessor will assess you via a technical interview.

The technical interview will be conducted in English and no interpreters are allowed.

[For more information on Technical Interview, see the Technical Interview Guide on our website.](#)



## What skills and knowledge do I need?

To be awarded the qualification [AUR30316 Certificate III in Automotive Electrical Technology](#), you must demonstrate your skill and knowledge in a number of units of competency. Each unit of competency defines a selection of knowledge and skill required in Australian workplaces.

### You must achieve 32 units of competency:

**Total number of units = 32**

- 20 core units of competency, plus
- 12 elective units of competency.

AURAEA002	Follow environmental and sustainability best practice in an automotive workplace	Core
AURASA002	Follow safe working practices in an automotive workplace	Core
AURETK002	Use and maintain electrical test equipment in an automotive workplace	Core
AURETR006	Solder electrical wiring and circuits	Core
AURETR007	Apply knowledge of automotive electrical circuits and wiring systems	Core
AURETR009	Install vehicle lighting and wiring systems	Core
AURETR010	Repair wiring harnesses and looms	Core
AURETR012	Test and repair basic electrical circuits	Core
AURETR023	Diagnose and repair spark ignition engine management systems	Core
AURETR024	Diagnose and repair compression ignition engine management systems	Core
AURETR025	Test, charge and replace batteries and jump-start vehicles	Core
AURETR027	Install ancillary electronic systems and components	Core
AURETR028	Diagnose and repair instruments and warning systems	Core
AURETR029	Diagnose and repair charging systems	Core
AURETR030	Diagnose and repair starting systems	Core
AURETR031	Diagnose and repair ignition systems	Core
AURETR032	Diagnose and repair automotive electrical systems	Core
AURETR035	Apply knowledge of petrol and diesel engine operation	Core
AURETR043	Diagnose and repair electronic body management systems	Core
AURTTA018	Carry out diagnostic procedures	Core



AURETR005	Install automotive security systems and components	Elective
AURETR008	Remove and replace electrical units and assemblies	Elective
AURETR011	Install basic ancillary electrical systems and components	Elective
AURETR013	Inspect, test and service charging systems	Elective
AURETR014	Inspect, test and service starting systems	Elective
AURETR015	Inspect, test and service batteries	Elective
AURETR016	Read and apply vehicle wiring schematics and drawings	Elective
AURETR017	Overhaul charging system alternators	Elective
AURETR018	Overhaul starting system motors	Elective
AURETR022	Diagnose and repair vehicle dynamic control systems	Elective
AURETR044	Diagnose and repair integrated engine and transmission management systems	Elective
AURTTK002	Use and maintain tools and equipment in an automotive workplace	Elective
AURTTA005	Select and use bearings, seals, gaskets, sealants and adhesives	Elective
AURTTE004	Inspect and service engines	Elective
AURTTF001	Inspect and service petrol fuel systems	Elective

### What programs does this assessment fall under?

This assessment comes under the following programs and regions:

OSAP (Europe & All states of Australia)

TSS (Europe & All states of Australia)



## What will I receive after the assessment?

If you **successfully** complete the Technical Interview you will receive the following:

- an Australian Certificate III qualification and a Statement of Results
- a migration outcome letter if the assessment is to support your visa application.

If you are **unsuccessful** in Technical Interview you will receive:

- a Statement of Attainment that lists the units of competency you successfully achieved
- a Statement of Results that lists units of competency you have successfully achieved and those that were not achieved.

## Where can I find more information?

Please refer to our website: <https://www.attc.org.au/trades-recognition/> 

Any queries may be directed to:

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Scarborough Qld 4020

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