VETASSESS

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.

How will I be assessed?

Stage 1: Documentary Evidence Assessment 1

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:
  - read the **Pathway 2 Assessment Guide.**
  - complete and submit **Observation report** with your application

Stage 2: Technical Assessment 2

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 electrical repairs

Code	Title
AURETR007	Apply knowledge of automotive electrical circuits and wiring systems
AURETR112	Test and repair basic electrical circuits
AURETR010	Repair wiring harnesses and looms
AURETR006	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

Component removal and installation

Code	Title
AURETR011	Install basic ancillary electrical systems and components
AURETR027	Install ancillary electronic systems and components

Charging and starting systems

Code	Title
AURETR013	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
AURETR018	Overhaul starting system motors

Lighting and instrumentation

Code	Title
AURETR009	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

2. Enter a unit code (e.g. MSMWHS200) into the search box.

3. Click on the Nationally recognised training 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:

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