



Australian Government

AUR20416 Certificate II in Automotive Electrical Technology

Release 1

AUR20416 Certificate II in Automotive Electrical Technology

Modification History

Release	Comment
Release 1	New qualification.

Qualification Description

This qualification reflects the role of individuals who perform a range of tasks relating to installing, assembling and servicing electrical components and systems of motor vehicles in the automotive electrical installation, service and repair technology sector.

Entry Requirements

This qualification may be accessed by direct entry.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

Packaging Rules

Total number of units = 16

10 core units, plus

6 elective units, of which:

- up to **6** units may be chosen from the Elective Units listed below
- up to **3** units may be chosen from a Certificate II qualification or above in this Training Package or another endorsed Training Package or accredited course, provided that the units chosen contribute to the vocational outcome of this qualification and do not duplicate the outcome of another unit chosen for the qualification.

Core Units

Unit code	Unit title
AURAEA002	Follow environmental and sustainability best practice in an automotive workplace
AURASA002	Follow safe working practices in an automotive workplace
AURETK002	Use and maintain electrical test equipment in an automotive workplace
AURETR006	Solder electrical wiring and circuits
AURETR007	Apply knowledge of automotive electrical circuits and wiring systems
AURETR008	Remove and replace electrical units and assemblies
AURETR009	Install vehicle lighting and wiring systems
AURETR011	Install basic ancillary electrical systems and components
AURETR012	Test and repair basic electrical circuits
AURETR015	Inspect, test and service batteries

Elective Units

Unit code	Unit title
AURACA001	Respond to customer needs and enquiries in an automotive workplace
AURAF001	Use numbers in an automotive workplace

Unit code	Unit title
AURAF002	Read and respond to automotive workplace information
AURAF003	Communicate effectively in an automotive workplace
AURAF005	Write routine texts in an automotive workplace
AURAMA001	Work effectively with others in an automotive workplace
AURAMA002	Communicate business information in an automotive workplace
AURATA001	Identify basic automotive faults using troubleshooting processes
AURATA002	Read, interpret and apply engineering drawings
AURATA003	Produce drawings from design concepts
AURETK001	Identify, select and use low voltage electrical test equipment
AURETR042	Remove, refit and operate electrical components following body repair activities
AURETR005	Install automotive security systems and components
AURETR010	Repair wiring harnesses and looms
AURETR013	Inspect, test and service charging systems
AURETR014	Inspect, test and service starting systems
AURETR016	Read and apply vehicle wiring schematics and drawings
AURETR025	Test, charge and replace batteries and jump-start vehicles
AURETU001	Install air conditioning systems
AURETU002	Recover vehicle refrigerants
AURETU003	Service air conditioning and HVAC systems
AURETU004	Diagnose and repair air conditioning and HVAC systems
AURETU005	Retrofit and modify air conditioning and HVAC systems
AURPTR002	Test and service electric outdoor power equipment
AURRTR001	Inspect, service and maintain marine battery storage systems

Unit code	Unit title
AURSCA001	Select and supply automotive parts and products
AURSCA003	Apply sales procedures in an automotive workplace
AURTTA004	Carry out servicing operations
AURTTA008	Produce patterns and templates
AURTTA009	Carry out mechanical pre-repair operations
AURTTA018	Carry out diagnostic procedures
AURTTE004	Inspect and service engines
AURTTK001	Use and maintain measuring equipment in an automotive workplace
AURTTK002	Use and maintain tools and equipment in an automotive workplace
AURVTT003	Remove and replace automotive and marine interior trim components
AURVTT004	Trim vehicle components
AURVTT005	Select trim and fabric materials
AURVTT006	Apply trimming adhesives
AURVTW003	Carry out advanced gas metal arc welding on vehicle body sections
AURVTW008	Carry out oxyacetylene welding, thermal heating and cutting

Qualification Mapping Information

Equivalent to AUR20412 Certificate II in Automotive Electrical Technology

Links

Implementation Guide -

http://companion_volumes.vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=2