



Australian Government

AUR20420 Certificate II in Automotive Electrical Technology

Release 2

AUR20420 Certificate II in Automotive Electrical Technology

Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0
Release 2	<p>This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.1.</p> <p>The following elective units of competency have been deleted as directed by the AISC:</p> <ul style="list-style-type: none"> • AURATA003 Produce drawings from design concepts. <p>The above training products were identified as having zero enrolments over a three year period.</p>

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.

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

Entry Requirements

Nil.

Packaging Rules

Total number of units = 16

10 core units, plus

6 elective units, of which:

- all **6** units may be from the elective units listed below
- up to **3** units may be from a Certificate II qualification or above in this Training Package or another endorsed Training Package or accredited course.

Elective units chosen must be relevant to the work environment and the qualification, maintain the overall integrity of the AQF alignment, not duplicate the outcome of another unit chosen for the qualification, and contribute to a valid vocational outcome.

Core Units

- AURAEA002 Follow environmental and sustainability best practice in an automotive workplace
- AURASA102 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
- AURETR112 Test and repair basic electrical circuits
- AURETR115 Inspect, test and service batteries

Elective Units

- AURACA101 Respond to customer needs and enquiries in an automotive workplace
- AURAF001 Use numbers in an automotive workplace
- 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
- AURAMA102 Communicate business information in an automotive workplace
- AURATA001 Identify basic automotive faults using troubleshooting processes
- AURATA002 Read, interpret and apply engineering drawings
- AURETK001 Identify, select and use low voltage electrical test equipment
- 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
- AURETR042 Remove, refit and operate electrical components following body repair activities
- AURETR116 Read and apply vehicle wiring schematics and drawings
- AURETR125 Test, charge and replace batteries and jump-start vehicles
- AURETU001 Install air conditioning systems
- AURETU102 Recover vehicle refrigerants
- AURETU103 Service air conditioning and HVAC systems
- AURETU104 Diagnose and repair air conditioning and HVAC components
- AURETU105 Retrofit automotive air conditioning and HVAC systems
- AURPTR102 Test and service electric outdoor power equipment
- AURRTR001 Inspect, service and maintain marine battery storage systems
- AURSCA101 Select and supply automotive parts and products

AURSCA103 Apply sales procedures in an automotive workplace
AURTTA008 Produce patterns and templates
AURTTA009 Carry out mechanical pre-repair operations
AURTTA104 Carry out servicing operations
AURTTA118 Develop and carry out diagnostic test strategies
AURTTE104 Inspect and service engines
AURTTK001 Use and maintain measuring equipment in an automotive workplace
AURTTK102 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
AURVTW018 Carry out oxyacetylene welding, thermal heating and cutting
AURVTW103 Carry out advanced gas metal arc welding on vehicle body sections

Qualification Mapping Information

Supersedes and is equivalent to AUR20416 Certificate II in Automotive Electrical Technology.

Links

Companion Volume Implementation Guide is found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>