

# **AUR30625 Certificate III in Light Vehicle Mechanical Technology**

## **Qualification Description**

This qualification reflects the role of individuals who perform a broad range of tasks on a variety of light vehicles in the automotive retail, service and repair industry.

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

## **Entry Requirements**

Nil.

## **Packaging Rules**

**Total number of units = 36**

**20 core units**, plus

**16 elective units**, of which:

- all **16** units may be from the elective units listed below
- up to **6** 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

AURETR112 Test and repair basic electrical circuits

AURETR123 Diagnose and repair spark ignition engine management systems

AURETR125 Test, charge and replace batteries and jump-start vehicles

AURETR129 Diagnose and repair charging systems

AURETR130 Diagnose and repair starting systems

AURETR131 Diagnose and repair ignition systems

AURLTD104 Diagnose and repair light vehicle steering systems

AURLTB103 Diagnose and repair light vehicle hydraulic braking systems

AURLTD105 Diagnose and repair light vehicle suspension systems

AURLTE102 Diagnose and repair light vehicle engines

AURLTZ101 Diagnose and repair light vehicle emission control systems  
AURTTA104 Carry out servicing operations  
AURTTA118 Develop and carry out diagnostic test strategies  
AURTTB101 Inspect and service braking systems  
AURTTC103 Diagnose and repair cooling systems  
AURTTE104 Inspect and service engines  
AURTTF101 Inspect and service petrol fuel systems  
AURTTK102 Use and maintain tools and equipment in an automotive workplace

### **Elective Units**

AURACA101 Respond to customer needs and enquiries in an automotive workplace  
AURAF103 Communicate effectively in an automotive workplace  
AURETD101 Diagnose and repair electronically controlled steering systems  
AURETH011 Depower and reinitialise hybrid electric vehicles  
AURETH012 Service and maintain electrical components in hybrid electric vehicles  
AURETH101 Depower and reinitialise battery electric vehicles  
AURETH102 Inspect and maintain battery electric vehicles\*  
AURETH017 Work safely with hydrogen in the automotive industry  
AURETH018 Inspect and service fuel cell components\*  
AURETR010 Repair wiring harnesses and looms  
AURETR011 Install basic ancillary electrical systems and components  
AURETR120 Diagnose and repair network electronic control systems  
AURETR122 Diagnose and repair vehicle dynamic control systems  
AURETR124 Diagnose and repair compression ignition engine management systems  
AURETR128 Diagnose and repair instruments and warning systems  
AURETR132 Diagnose and repair automotive electrical systems  
AURETR143 Diagnose and repair electronic body management systems  
AURETR144 Diagnose and repair integrated engine and transmission management systems  
AURETR149 Apply knowledge of ADAS technology to vehicle pre-repair scans  
AURETR236 Diagnose and repair electronically controlled suspension systems  
AURETU103 Service air conditioning and HVAC systems  
AURETU104 Diagnose and repair air conditioning and HVAC components  
AURETU105 Retrofit automotive and modify air conditioning and HVAC systems  
AURLTD002 Service and repair light vehicle lift assisted suspension systems  
AURLTD101 Select and install performance enhanced suspension system products  
AURLTD106 Carry out light vehicle wheel alignment operations  
AURLTE001 Remove and install light vehicle engine assemblies  
AURLTF101 Diagnose and repair light vehicle mechanical fuel injection systems  
AURLTF102 Diagnose and repair light vehicle diesel fuel injection systems

AURLTJ011 Select light vehicle tyres and wheels for specific applications  
AURLTJ102 Remove, inspect, repair and refit light vehicle tyres and tubes  
AURLTJ113 Remove, inspect and refit light vehicle wheel and tyre assemblies  
AURLTQ101 Diagnose and repair light vehicle final drive assemblies  
AURLTQ102 Diagnose and repair light vehicle drive shafts  
AURLTX101 Diagnose and repair light vehicle manual transmissions  
AURLTX102 Diagnose and repair light vehicle automatic transmissions  
AURLTX103 Diagnose and repair light vehicle clutch systems  
AURTTA009 Carry out mechanical pre-repair operations  
AURTTA017 Carry out vehicle safety inspections  
AURTTA105 Select and use bearings, seals, gaskets, sealants and adhesives  
AURTTB013 Machine brake drums and brake disc rotors  
AURTTB015 Assemble and fit braking system components  
AUR TTC001 Inspect and service cooling systems  
AURTTD002 Inspect and service steering systems  
AURTTD004 Inspect and service suspension systems  
AURTTF102 Inspect and service diesel fuel injection systems  
AURTTF105 Diagnose and repair engine forced-induction systems  
AURTTF106 Diagnose and repair petrol carburettor systems  
AURTTJ011 Balance wheels and tyres  
AURTTK001 Use and maintain measuring equipment in an automotive workplace  
AUR TTL003 Install CNG fuel systems  
AUR TTL007 Inspect and service LPG fuel systems  
AUR TTL009 Install LPG fuel systems  
AUR TTL104 Inspect and service LNG fuel systems  
AUR TTL105 Diagnose and repair LNG fuel systems  
AUR TTL108 Diagnose and repair LPG fuel systems  
AURTTQ001 Inspect and service final drive assemblies  
AURTTQ103 Inspect and service drive shafts  
AURTTW001 Carry out soft soldering techniques  
AURTTX102 Inspect and service manual transmissions  
AURTTX103 Inspect and service automatic transmissions  
AURTTZ102 Diagnose and repair exhaust systems  
AURVTA104 Inspect damaged vehicle systems and recommend repairs  
AURVTW002 Carry out oxyacetylene brazing of components  
AURVTW018 Carry out oxyacetylene welding, thermal heating and cutting  
AURVTW101 Carry out manual metal arc welding on components  
AURVTW103 Carry out advanced gas metal arc welding on vehicle body sections  
AURVTW104 Carry out tungsten inert gas welding  
AURVTW109 Carry out basic gas metal arc welding

\*Note the following prerequisite unit requirements.

UNIT IN THIS QUALIFICATION	PREREQUISITE UNIT
AURETH102 Inspect and maintain battery electric vehicles	AURETH001 Depower and reinitialise battery electric vehicles
AURETH018 Inspect and service fuel cell components	AURETH101 Depower and reinitialise battery electric vehicles  AURETH017 Work safely with hydrogen in the automotive industry

## Qualification Mapping Information

AUR30620 Certificate III in Light Vehicle Mechanical Technology.

## Links

[Link to Companion Volume Implementation Guide](#)