



Australian Government

AUR30616 Certificate III in Light Vehicle Mechanical Technology

Release 1

AUR30616 Certificate III in Light Vehicle Mechanical Technology

Modification History

Release	Comment
Release 1	New qualification.

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.

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 = 36

20 core units, plus

16 elective units, of which:

- up to **16** units may be chosen from the Elective Units listed below
- up to **6** 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	Prerequisite unit
AURAEA002	Follow environmental and sustainability best practice in an automotive workplace	
AURASA002	Follow safe working practices in an automotive workplace	
AURETR012	Test and repair basic electrical circuits	
AURETR023	Diagnose and repair spark ignition engine management systems	
AURETR025	Test, charge and replace batteries and jump-start vehicles	
AURETR029	Diagnose and repair charging systems	
AURETR030	Diagnose and repair starting systems	
AURETR031	Diagnose and repair ignition systems	
AURLTB003	Diagnose and repair light vehicle hydraulic braking systems	
AURLTD004	Diagnose and repair light vehicle steering systems	
AURLTD005	Diagnose and repair light vehicle suspension systems	
AURLTE002	Diagnose and repair light vehicle engines	
AURLTZ001	Diagnose and repair light vehicle emission control systems	
AURTTA004	Carry out servicing operations	
AURTTA018	Carry out diagnostic procedures	
AURTTB001	Inspect and service braking systems	

Unit code	Unit title	Prerequisite unit
AURTTC003	Diagnose and repair cooling systems	
AURTTE004	Inspect and service engines	
AURTTF001	Inspect and service petrol fuel systems	
AURTTK002	Use and maintain tools and equipment in an automotive workplace	

Elective Units

Unit code	Unit title	Prerequisite unit
AURACA001	Respond to customer needs and enquiries in an automotive workplace	
AURAF003	Communicate effectively in an automotive workplace	
AURETD001	Diagnose and repair electronically controlled steering systems	
AURETH001	Depower and reinitialise battery electric vehicles	
AURETH002	Service and maintain battery electric vehicles	AURETH001
AURETH011	Depower and reinitialise hybrid electric vehicles	
AURETR010	Repair wiring harnesses and looms	
AURETR011	Install basic ancillary electrical systems and components	
AURETR020	Diagnose and repair network electronic control systems	
AURETR022	Diagnose and repair vehicle dynamic control systems	
AURETR024	Diagnose and repair compression ignition engine management systems	
AURETR028	Diagnose and repair instruments and warning systems	
AURETR032	Diagnose and repair automotive electrical systems	
AURETR036	Diagnose and repair electronically controlled suspension systems	

Unit code	Unit title	Prerequisite unit
AURETR043	Diagnose and repair electronic body management systems	
AURETR044	Diagnose and repair integrated engine and transmission management systems	
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	
AURLTD001	Select and install performance enhanced suspension system products	
AURLTD002	Service and repair light vehicle lift assisted suspension systems	
AURLTD006	Carry out light vehicle wheel alignment operations	
AURLTE001	Remove and install light vehicle engine assemblies	
AURLTF001	Diagnose and repair light vehicle mechanical fuel injection systems	
AURLTF002	Diagnose and repair light vehicle diesel fuel injection systems	
AURLTJ001	Select light vehicle tyres and wheels for specific applications	
AURLTJ002	Remove, inspect, repair and refit light vehicle tyres and tubes	
AURLTJ003	Remove, inspect and refit light vehicle wheel and tyre assemblies	
AURLTQ001	Diagnose and repair light vehicle final drive assemblies	
AURLTQ002	Diagnose and repair light vehicle drive shafts	
AURLTX001	Diagnose and repair light vehicle manual transmissions	
AURLTX002	Diagnose and repair light vehicle automatic transmissions	
AURLTX003	Diagnose and repair light vehicle clutch systems	
AURTTA005	Select and use bearings, seals, gaskets, sealants and adhesives	
AURTTA009	Carry out mechanical pre-repair operations	

Unit code	Unit title	Prerequisite unit
AURTTA017	Carry out vehicle safety inspections	
AURTTB003	Machine brake drums and brake disc rotors	
AURTTB005	Assemble and fit braking system components	
AURTTC001	Inspect and service cooling systems	
AURTTD002	Inspect and service steering systems	
AURTTD004	Inspect and service suspension systems	
AURTTF002	Inspect and service diesel fuel injection systems	
AURTTF005	Diagnose and repair engine forced-induction systems	
AURTTF006	Diagnose and repair petrol carburettor systems	
AURTTJ001	Balance wheels and tyres	
AURTTK001	Use and maintain measuring equipment in an automotive workplace	
AURTTL007	Inspect and service LPG fuel systems	
AURTTL008	Diagnose and repair LPG fuel systems	
AURTTQ001	Inspect and service final drive assemblies	
AURTTQ003	Inspect and service drive shafts	
AURTTW001	Carry out soft soldering techniques	
AURTTX002	Inspect and service manual transmissions	
AURTTX003	Inspect and service automatic transmissions	
AURTTZ002	Diagnose and repair exhaust systems	
AURVTA004	Inspect damaged vehicle systems and recommend repairs	
AURVTW001	Carry out manual metal arc welding on components	
AURVTW002	Carry out oxyacetylene brazing of components	
AURVTW003	Carry out advanced gas metal arc welding on vehicle body	

Unit code	Unit title	Prerequisite unit
	sections	
AURVTW004	Carry out tungsten inert gas welding	
AURVTW008	Carry out oxyacetylene welding, thermal heating and cutting	
AURVTW009	Carry out basic gas metal arc welding	

Qualification Mapping Information

Equivalent to AUR30612 Certificate III in Light Vehicle Mechanical Technology

Links

Implementation Guide -

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