

# Qualification details



## AUR30612 - Certificate III in Light Vehicle Mechanical Technology

### Summary

Releases:	Release	Status	Release date
	1	Current	2013/01/17

Usage recommendation: **Superseded**

Mapping:	Mapping	Notes	Date
	Is superseded by and equivalent to AUR30616 - Certificate III in Light Vehicle Mechanical Technology		2016/04/14
	Supersedes AUR30405 - Certificate III in Automotive Mechanical Technology	N	2013/01/17

### Training packages that include this qualification

Code	Title	Release
AUR12	Automotive Industry Retail, Service and Repair Training Package	1.0 - 2.1

### Units of competency

Code	Title	Essential
AURACA2001	Establish relations with customers	Elective
AURAEA3003	Monitor environmental and sustainability best practice in the automotive mechanical industry	Core
AURAF2003	Communicate effectively in an automotive workplace	Elective
AURASA2002	Apply safe working practices in an automotive workplace	Core
AURETD3001	Service and repair electronically controlled steering systems	Elective
AURETH3001	Depower battery electric vehicles	Elective
AURETH3002	Service and maintain battery electric vehicles	Elective
AURETR2005	Install, test and repair electrical security systems and components	Elective
AURETR2010	Fabricate, test and repair wiring harnesses and looms	Elective
AURETR2011	Install and test basic ancillary electrical components	Elective
AURETR2012	Test and repair basic electrical circuits	Core
AURETR3020	Repair electronic systems	Elective
AURETR3022	Diagnose and repair vehicle dynamic control systems	Elective
AURETR3023	Diagnose and repair electronic spark ignition engine management systems	Core
AURETR3024	Diagnose and repair electronic compression ignition engine management systems	Elective
AURETR3025	Test, charge and replace batteries	Core
AURETR3028	Diagnose and repair instruments and warning systems	Elective
AURETR3029	Diagnose and repair charging systems	Core
AURETR3030	Diagnose and repair starting systems	Core
AURETR3031	Diagnose and repair ignition systems	Core

Code	Title	Essential
AURETR3032	Repair electrical systems	Elective
AURETR3036	Service and repair electronically controlled suspension systems	Elective
AURETR3043	Service and repair electronic body management systems	Elective
AURETR3044	Service and repair electronic drive management systems	Elective
AURETU2003	Service air conditioning and HVAC systems	Elective
AURETU3004	Diagnose and repair air conditioning and HVAC systems	Elective
AURETU3005	Retrofit and modify air conditioning and HVAC systems	Elective
AURLTB3003	Diagnose and repair light vehicle hydraulic braking systems	Core
AURLTD3004	Repair steering systems (light vehicle)	Core
AURLTD3005	Repair suspension systems (light vehicle)	Core
AURLTD3006	Carry out wheel alignment operations (light vehicle)	Elective
AURLTE2001	Remove and install light vehicle engine assemblies	Elective
AURLTE3002	Repair engines and associated engine components (light vehicle)	Core
AURLTF3001	Diagnose and repair mechanical fuel injection systems	Elective
AURLTJ2001	Select tyres and rims for specific applications (light)	Elective
AURLTJ2002	Remove, inspect, repair and fit tyres and tubes (light)	Elective
AURLTJ2003	Remove, inspect, and refit light vehicle wheel assemblies	Elective
AURLTQ3001	Repair final drive assemblies (light vehicle)	Elective
AURLTQ3002	Repair final drive - driveline (light vehicle)	Elective
AURLTX3001	Repair transmissions - manual (light vehicle)	Elective
AURLTX3002	Repair transmissions - automatic (light vehicle)	Elective
AURLTX3003	Diagnose and repair light vehicle clutch systems	Elective
AURLTZ3001	Diagnose and repair light vehicle emission control systems	Core
AURTTA2004	Carry out servicing operations	Core
AURTTA2005	Select and use bearings, seals, gaskets, sealants and adhesives	Elective
AURTTA2009	Carry out pre-repair operations (mechanical)	Elective
AURTTA3017	Carry out vehicle safety and roadworthy inspections	Elective
AURTTA3018	Carry out diagnostic procedures	Core
AURTTA3019	Carry out advanced diagnostic procedures	Elective
AURTTB2001	Inspect and service braking systems	Core
AURTTB2003	Machine brake drums and brake disc rotors	Elective
AURTTB3005	Assemble and fit braking systems and components	Elective
AURTTB3006	Inspect, service and repair auxiliary braking systems	Elective
AURTTC2001	Inspect and service cooling systems	Elective
AURTTC3003	Diagnose and repair cooling systems	Core
AURTTD2002	Inspect and service steering systems	Elective
AURTTD2004	Inspect and service suspension systems	Elective
AURTTE2004	Inspect and service engines	Core
AURTTF2001	Service petrol fuel systems	Core
AURTTF2002	Service diesel fuel injection systems	Elective
AURTTF3004	Repair diesel fuel injection systems	Elective
AURTTF3005	Inspect and repair engine forced induction systems	Elective
AURTTF3006	Diagnose and repair petrol carburettor systems	Elective
AURTTJ2001	Balance wheels and tyres	Elective
AURTTK2001	Use and maintain measuring equipment in an automotive workplace	Elective

Code	Title	Essential
AURTTK2002	Use and maintain workplace tools and equipment	Core
AURTTL3007	Service LPG fuel systems	Elective
AURTTL3008	Diagnose and repair LPG fuel systems	Elective
AURTTQ2001	Service final drive assemblies	Elective
AURTTQ2003	Service final drive (driveline)	Elective
AURTTW2001	Carry out soft soldering techniques	Elective
AURTTX2002	Inspect and service transmissions (manual)	Elective
AURTTX2003	Inspect and service transmissions (automatic)	Elective
AURTTZ2002	Repair exhaust system components	Elective
AURVTA3004	Inspect vehicle systems and determine preferred repair action	Elective
AURVTW2001	Carry out manual metal arc welding procedures	Elective
AURVTW2002	Carry out brazing procedures	Elective
AURVTW2003	Carry out gas metal arc welding procedures	Elective
AURVTW2004	Carry out gas tungsten arc welding procedures	Elective
AURVTW2008	Carry out oxy acetylene welding, thermal cutting and thermal heating procedures	Elective

## Classifications

Scheme	Code	Name
ANZSCO Identifier	321211	Motor Mechanic (General)
ASCED Qualification/Course Field of Education Identifier	0305	Automotive Engineering And Technology
ASCO (occupation type) Identifier	4211-11	Motor Mechanic
Qualification/Course Level of Education Identifier	514	Certificate III
Taxonomy - Industry Sector	N/A	Automotive Service and Repair
Taxonomy - Occupation	N/A	Automotive Light Vehicle Mechanical Repair Technician

## Classifications history

Scheme	Code	Name	Start date	End date
ANZSCO Identifier	321211	Motor Mechanic (General)	2013/08/07	
ASCO (occupation type) Identifier	4211-11	Motor Mechanic	2013/08/07	
ASCED Qualification/Course Field of Education Identifier	0305	Automotive Engineering And Technology	2013/08/07	
Qualification/Course Level of Education Identifier	514	Certificate III	2013/01/17	