



**Australian Government**

# **AUR40416 Certificate IV in Automotive Performance Enhancement**

**Release 2**

## AUR40416 Certificate IV in Automotive Performance Enhancement

### Modification History

Release	Comment
Release 2	Updates to elective bank.
Release 1	New qualification.

### Qualification Description

This qualification reflects the role of individuals who perform advanced analysis and modification tasks to enhance vehicle performance in the automotive retail, service and repair industry.

### Entry Requirements

Those undertaking Certificate IV in Automotive Performance Enhancement must have completed AUR30616 Certificate III in Light Vehicle Mechanical Technology, or be able to demonstrate equivalent competency.

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

### Packaging Rules

Total number of units = 10

3 core units, plus

7 elective units, of which:

- up to 7 units may be chosen from the Elective Units listed below
- up to 2 units may be chosen from a Certificate III 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
AURMTE001	Test engines using a dynamometer
AURMTF002	Analyse and repair performance fuel injection systems
AURTTA021	Diagnose complex system faults

## Elective Units

Unit code	Unit title
AURAEA003	Monitor environmental and sustainability best practice in an automotive workplace
AURAF006	Conduct research and present technical reports
AURAF007	Develop and document specifications and procedures
AURAMA006	Contribute to planning and implementing business improvement in an automotive workplace
AURETR023	Diagnose and repair spark ignition engine management systems
AURETR033	Develop and apply network electronic control system modifications
AURETR034	Develop and apply electrical system modifications
AURLTB001	Overhaul light vehicle braking system components
AURLTD005	Diagnose and repair light vehicle suspension systems
AURLTQ001	Diagnose and repair light vehicle final drive assemblies
AURLTQ012	Diagnose and repair light vehicle drive shafts
AURLTX001	Diagnose and repair light vehicle manual transmissions
AURMTA003	Determine material suitability for competition vehicle components
AURMTA007	Conduct non-destructive testing
AURMTA008	Apply aerodynamic and vehicle dynamic principles and effects to competition vehicles
AURMTD001	Test suspension dampers using a dynamometer

Unit code	Unit title
AURMTD002	Prepare competition vehicle suspension
AURMTF001	Analyse and repair performance carburetted fuel systems
AURMTJ001	Select and prepare motor sport competition vehicle tyres and wheels
AURMTQ001	Analyse and repair faults in performance driveline systems
AURTNA001	Estimate and quote automotive vehicle or machinery modifications
AURTTA022	Develop and apply mechanical system modifications
AURTTA023	Develop and apply hydraulic system modifications
AURTTD004	Inspect and service suspension systems
AURTTD005	Overhaul steering system components
AURTTE005	Overhaul engines
AURTTF001	Inspect and service petrol fuel systems
AURTTF006	Diagnose and repair petrol carburettor systems
AURTTF007	Overhaul carburettor fuel system components
AURTTL015	Develop and apply gas fuel system modifications
AURTTQ004	Overhaul final drive assemblies
AURTTX007	Overhaul clutch assemblies
AURTTX008	Overhaul manual transmissions
AURTTX009	Overhaul automatic transmissions
BSBWHS401	Implement and monitor WHS policies, procedures and programs to meet legislative requirements
MEM30012A	Apply mathematical techniques in a manufacturing engineering or related environment

## Qualification Mapping Information

Equivalent to AUR40412 Certificate IV in Automotive Performance Enhancement

## Links

Companion Volume Implementation Guides are found in VETNet -

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