



Australian Government

AUR40316 Certificate IV in Motor Sport Technology

Release 2

AUR40316 Certificate IV in Motor Sport Technology

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 as team leaders and supervisors in the motor sport industry.

Entry Requirements

Those undertaking the Certificate IV in Motor Sport Technology must have completed AUR30916 Certificate III in Motor Sport 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

1 core unit, plus

9 elective units, of which:

- up to 9 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
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Unit code	Unit title
BSBWHS401	Implement and monitor WHS policies, procedures and programs to meet legislative requirements

Elective Units

Unit code	Unit title
AURETR012	Test and repair basic electrical circuits
AURETR023	Diagnose and repair spark ignition engine management systems
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
AURMCA001	Manage motor sport team media liaison
AURMCA002	Manage motor sport team promotional partnerships and marketing
AURMGA002	Manage personal presentation and development in a motor sport environment
AURMKA001	Manage motor sport data
AURMMA002	Manage the preparation of motor sport competition vehicles
AURMMA003	Manage motor sport operations
AURMMA004	Manage motor sport team development
AURMMA005	Manage team pit lane and service area operations at motor sport events
AURMMA006	Develop and implement race strategies for motor sport events
AURMTA003	Determine material suitability for competition vehicle components
AURMTA007	Conduct non-destructive testing
AURMTA008	Apply aerodynamic and vehicle dynamic principles and effects to

Unit code	Unit title
	competition vehicles
AURMTA009	Collect and log motor sport data
AURMTD001	Test suspension dampers using a dynamometer
AURMTD002	Prepare competition vehicle suspension
AURMTE001	Test engines using a dynamometer
AURMTF001	Analyse and repair performance carburetted fuel systems
AURMTF002	Analyse and repair performance fuel injection systems
AURMTJ001	Select and prepare motor sport competition vehicle tyres and wheels
AURMTQ001	Analyse and repair faults in performance driveline systems
AURTTA021	Diagnose complex system faults
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
AURTTQ004	Overhaul final drive assemblies
AURTTX007	Overhaul clutch assemblies
AURTTX008	Overhaul manual transmissions
AURTTX009	Overhaul automatic transmissions
MEM30012A	Apply mathematical techniques in a manufacturing engineering or related environment

Qualification Mapping Information

Equivalent to AUR40312 Certificate IV in Motorsport Technology

Links

Companion Volume Implementation Guides are found in VETNet -

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