



Australian Government

AUR40320 Certificate IV in Motor Sport Technology

Release 2

AUR40320 Certificate IV in Motor Sport Technology

Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0
Release 2	<p>This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.1.</p> <p>The following elective units of competency have been deleted as directed by the AISC:</p> <ul style="list-style-type: none">• AURMMA005 Manage team pit lane and service area operations at motor sport events• AURMMA006 Develop and implement race strategies for motor sport events• AURTTX010 Overhaul hydrostatic transmissions. <p>The above training products were identified as having zero enrolments over a three year period.</p>

Qualification Description

This qualification reflects the role of individuals who perform as team leaders and supervisors in the motor sport industry.

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

Entry Requirements

Those undertaking the Certificate IV in Motorsport Technology must have completed AUR30920 Certificate III in Motor Sport Technology or be able to demonstrate equivalent competency.

Packaging Rules

Total number of units = 10

1 core unit, plus

9 elective units, of which:

- all **9** units may be from the elective units listed below

- up to **2** units may be from a Certificate III 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

BSBWHS411 Implement and monitor WHS policies, procedures and programs

Elective Units

AURAMA006 Contribute to planning and implementing business improvement in an automotive workplace

AURETR112 Test and repair basic electrical circuits

AURETR123 Diagnose and repair spark ignition engine management systems

AURLTB001 Overhaul light vehicle braking system components

AURLTD105 Diagnose and repair light vehicle suspension systems

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

AURMCA101 Manage motor sport team media liaison

AURMCA102 Manage motor sport team promotional partnerships and marketing

AURMGA102 Manage personal presentation and development in a motor sport environment

AURMKA001 Manage motor sport data

AURMMA102 Manage the preparation of motor sport competition vehicles

AURMMA103 Manage motor sport operations

AURMMA104 Manage motor sport team development

AURMTA007 Conduct non-destructive testing

AURMTA008 Apply aerodynamic and vehicle dynamic principles and effects to competition vehicles

AURMTA103 Determine material suitability for competition vehicle components

AURMTA109 Collect and log motor sport data

AURMTD001 Test suspension dampers using a dynamometer

AURMTD002 Prepare competition vehicle suspension

AURMTE101 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

AURMTQ101 Analyse and repair faults in performance driveline systems

AURTTA121 Diagnose complex system faults

AURTTD004 Inspect and service suspension systems

AURTTD005 Overhaul steering system components

AURTTE005 Overhaul engines
AURTTF003 Overhaul diesel fuel injection system components
AURTTF007 Overhaul carburettor fuel system components
AURTTF101 Inspect and service petrol fuel systems
AURTTF106 Diagnose and repair petrol carburettor systems
AURTTQ004 Overhaul final drive assemblies
AURTTX007 Overhaul clutch assemblies
AURTTX008 Overhaul manual transmissions
AURTTX009 Overhaul automatic transmissions
AURTTX011 Overhaul torque converters
MEM30012A Apply mathematical techniques in a manufacturing engineering or related environment
SISSPAR006 Prepare and present athlete sponsorship proposals
SITXMPR006 Obtain and manage sponsorship

Qualification Mapping Information

Supersedes and is equivalent to AUR40316 Certificate IV in Motorsport Technology.

Links

Companion Volume Implementation Guide is found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>