



Australian Government

AUR21020 Certificate II in Motor Sport Technology

Release 2

AUR21020 Certificate II 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"> • AURATA003 Produce drawings from design concepts. <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 a limited range of tasks on competition vehicles in the motor sport industry.

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

Entry Requirements

Nil.

Packaging Rules

Total number of units = 16

7 core units, plus

9 elective units, of which:

- all **9** units may be from the elective units listed below
- up to **3** units may be from a Certificate I 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

- AURAEA002 Follow environmental and sustainability best practice in an automotive workplace
- AURASA102 Follow safe working practices in an automotive workplace
- AURLTJ102 Remove, inspect, repair and refit light vehicle tyres and tubes
- AURMGA101 Set up and dismantle temporary work location and equipment at motor sport events
- AURMMA101 Operate in a motor sport environment
- AURMTA101 Prepare and service light competition vehicles
- AURTTK102 Use and maintain tools and equipment in an automotive workplace

Elective Units

- AURATA001 Identify basic automotive faults using troubleshooting processes
- AURATA002 Read, interpret and apply engineering drawings
- AURETR006 Solder electrical wiring and circuits
- AURETR009 Install vehicle lighting and wiring systems
- AURETR010 Repair wiring harnesses and looms
- AURETR011 Install basic ancillary electrical systems and components
- AURETR026 Remove, replace and program electrical and electronic units and assemblies
- AURETR042 Remove, refit and operate electrical components following body repair activities
- AURETR112 Test and repair basic electrical circuits
- AURETR115 Inspect, test and service batteries
- AURETR125 Test, charge and replace batteries and jump-start vehicles
- AURLTE001 Remove and install light vehicle engine assemblies
- AURLTJ011 Select light vehicle tyres and wheels for specific applications
- AURLTJ013 Remove, inspect and refit light vehicle wheel and tyre assemblies
- AURMBA101 Transport light competition vehicles and support equipment
- AURMDA002 Assist with officiating duties at motor sport events
- AURMDA101 Develop and update motor sport industry knowledge
- AURMLA001 Apply motor sport rules and regulations when officiating
- AURMSA001 Follow motor sport safety and risk management procedures
- AURMTA006 Perform torquing and fastening on motor sport competition vehicles
- AURTTA104 Carry out servicing operations
- AURTTB012 Attach friction materials and radius grind
- AURTTB013 Machine brake drums and brake disc rotors
- AURTTB101 Inspect and service braking systems
- AURTTC001 Inspect and service cooling systems
- AURTTC002 Repair radiators
- AURTTD001 Inspect steering systems
- AURTTD002 Inspect and service steering systems

AURTTD003 Inspect suspension systems
AURTTD004 Inspect and service suspension systems
AURTTE104 Inspect and service engines
AURTTF101 Inspect and service petrol fuel systems
AURTTJ011 Balance wheels and tyres
AURTTK001 Use and maintain measuring equipment in an automotive workplace
AURTTQ001 Inspect and service final drive assemblies
AURTTQ103 Inspect and service drive shafts
AURTTT011 Fabricate exhaust systems and components
AURTTW001 Carry out soft soldering techniques
AURTTX102 Inspect and service manual transmissions
AURTTX103 Inspect and service automatic transmissions
AURTTZ001 Inspect and service emission control systems
AURTTZ102 Diagnose and repair exhaust systems
AURVTS006 Fabricate automotive and marine trim components
AURVTW002 Carry out oxyacetylene brazing of components
AURVTW006 Carry out thermoplastic welding on vehicle trim components
AURVTW018 Carry out oxyacetylene welding, thermal heating and cutting
AURVTW101 Carry out manual metal arc welding on components
AURVTW104 Carry out tungsten inert gas welding
AURVTW105 Carry out spot welding
AURVTW109 Carry out basic gas metal arc welding
MSMENV272 Participate in environmentally sustainable work practices

Qualification Mapping Information

Supersedes and is equivalent to AUR21016 Certificate II 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>