



**Australian Government**

# **AUR21016 Certificate II in Motor Sport Technology**

**Release 2**

## AUR21016 Certificate II 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 a limited range of tasks on competition vehicles in the motor sport industry.

### Entry Requirements

This qualification may be accessed by direct entry.

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

### Packaging Rules

Total number of units = 16

8 core units, plus

8 elective units, of which:

- up to 8 units may be chosen from the Elective Units listed below
- up to 3 units may be chosen from a Certificate I 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
AURAEA002	Follow environmental and sustainability best practice in an

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	automotive workplace
AURASA002	Follow safe working practices in an automotive workplace
AURLTJ002	Remove, inspect, repair and refit light vehicle tyres and tubes
AURMGA001	Set up and dismantle temporary work location and equipment at motor sport events
AURMMA001	Operate in a motor sport environment
AURMTA001	Prepare and service light competition vehicles
AURTTK002	Use and maintain tools and equipment in an automotive workplace
MSMENV272	Participate in environmentally sustainable work practices

#### Elective Units

Unit code	Unit title
AURATA001	Identify basic automotive faults using troubleshooting processes
AURATA002	Read, interpret and apply engineering drawings
AURATA003	Produce drawings from design concepts
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
AURETR012	Test and repair basic electrical circuits
AURETR015	Inspect, test and service batteries
AURETR025	Test, charge and replace batteries and jump-start vehicles
AURETR026	Remove, replace and program electrical and electronic units and assemblies
AURETR042	Remove, refit and operate electrical components following body repair activities

<b>Unit code</b>	<b>Unit title</b>
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
AURMBA001	Transport light competition vehicles and support equipment
AURMDA001	Develop and update motor sport industry knowledge
AURMDA002	Assist with officiating duties at motor sport events
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
AURTTA004	Carry out servicing operations
AURTTB001	Inspect and service braking systems
AURTTB012	Attach friction materials and radius grind
AURTTB013	Machine brake drums and brake disc rotors
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
AURTTE004	Inspect and service engines
AURTTF001	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

Unit code	Unit title
AURTTQ003	Inspect and service drive shafts
AURTTTS001	Fabricate exhaust systems and components
AURTTW001	Carry out soft soldering techniques
AURTTX002	Inspect and service manual transmissions
AURTTX003	Inspect and service automatic transmissions
AURTTZ001	Inspect and service emission control systems
AURTTZ002	Diagnose and repair exhaust systems
AURVTS006	Fabricate automotive and marine trim components
AURVTW001	Carry out manual metal arc welding on components
AURVTW002	Carry out oxyacetylene brazing of components
AURVTW004	Carry out tungsten inert gas welding
AURVTW005	Carry out spot welding
AURVTW006	Carry out thermoplastic welding on vehicle trim components
AURVTW018	Carry out oxyacetylene welding, thermal heating and cutting
AURVTW009	Carry out basic gas metal arc welding

## Qualification Mapping Information

Equivalent to AUR21012 Certificate II 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>