



Australian Government

AUR50312 Diploma of Motorsport Technology

Release 2

AUR50312 Diploma of Motorsport Technology

Modification History

Release	Comment
Release 1	Replaces AUR50305 Diploma of Motorsport
Release 2	Pre Requisites added to: AURMMA5005 AURMT5003 AURMTA5008

Description

This qualification covers the skills and knowledge required to manage motorsport operational or technical teams. It is suitable for those working within the motorsport industry in a management role.

Job roles and employment outcomes

The Diploma of Motorsport Technology is intended to develop new employees or recognise and develop existing workers who are working in management roles in the motorsport sector in the automotive industry.

Job outcomes targeted by this qualification include:

- advanced diagnostic technician
- motorsport team manager
- motorsport design technician.

Application

This qualification is suitable for an Australian Apprenticeship pathway.

Pathways Information

Pathways from the qualification

Further training pathways from this qualification may lead to a relevant Advanced Diploma.

Licensing/Regulatory Information

There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements. Local regulations should be checked for details.

Entry Requirements

Entrants to this qualification are required to have completed AUR40312 Certificate IV in Motorsport Technology or be able to demonstrate equivalent competence.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

The following table contains a summary of the Employability Skills as identified by the automotive industry for this qualification. The Employability Skills facets described here are broad industry requirements that may vary depending on qualification packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	- clearly communicating workplace information and ideas with workplace colleagues (verbal and non-verbal), including use of automotive terms - completing workplace reports - using and contributing to workplace procedures - maintaining workplace records - communicating with colleagues and clients to handle verbal enquiries, such as clarifying instructions and responding to requests for information - interpreting the needs of customers - reading and interpreting workplace related documentation
Teamwork	- identifying and describe own role and role of others - working within a team - working with diverse individuals and groups - applying knowledge of own role to complete activities efficiently to support team activities and tasks
Problem solving	- recognising a workplace problem or a potential problem and take action - determining problems needing priority action - referring problems outside area of responsibility to appropriate person and suggesting possible causes - seeking information and assistance as required to solve problems - using a range of problem-solving techniques - taking action to resolve concerns - developing practical responses to common breakdowns in workplace systems and procedures
Initiative and enterprise	- adapting to new and emerging situations in the workplace - being proactive and creative in responding to workplace problems, changes and challenges
Planning and organising	- planning own work requirements and prioritising actions to achieve required outcomes and ensure tasks are completed on time - identifying risk factors and taking action to minimise risk

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

The following table contains a summary of the Employability Skills as identified by the automotive industry for this qualification. The Employability Skills facets described here are broad industry requirements that may vary depending on qualification packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Self-management	• selecting and using appropriate equipment, materials, processes and procedures • recognising limitations and seeking timely advice • planning own work requirements, setting own work program and managing time to ensure tasks are completed on time • following workplace documentation, such as codes of practice or operating procedures
Learning	• asking questions to gain information • identifying sources of information, assistance and expert knowledge to expand knowledge, skills and understanding • participating in self-improvement activities • participating in development of workplace continuous improvement strategies • helping others develop competency
Technology	• operating diagnostic and test equipment • performance testing of components, systems and equipment • using tools and equipment efficiently and safely • storing and caring for components, parts, tools, test equipment and support equipment • using business technology to collect, analyse and provide information

Packaging Rules

To be awarded this qualification, competency must be demonstrated in **9 units** of competency, consisting of:

- **3 core units** listed below

plus

- **6 elective units** of which;
 - up to **6** elective units may be chosen from the elective units listed below
 - up to **2** elective units may be chosen from a Certificate IV qualification or above in this Training Package, 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 this qualification.

Core units

Unit code	Unit title
Common - Management, Leadership and Supervision	
AURAMA5006	Contribute to business improvement
Motorsport - Management, Leadership and Supervision	
AURMMA5003	Manage motorsport operations
AURMMA5004	Manage motorsport team development

Elective units

Unit code	Unit Title	Pre-requisite
Electrical - Technical - Brakes		
AURETB5002	Analyse and evaluate electrical and electronic faults in stability, steering and suspension systems	
Electrical - Technical - Engines		
AURETE5001	Analyse and evaluate electrical and electronic faults in engine management systems	
Electrical - Technical - Electrical and Electronic		
AURETR5034	Develop and apply electrical systems modification	

Electrical - Technical - Transmission		
AURETX5001	Analyse and evaluate electrical and electronic faults in transmission and driveline systems	
Mechanical - Light Vehicle - Technical - Brakes		
AURLTB5002	Analyse and evaluate light vehicle braking system faults	
Mechanical - Light Vehicle - Technical - Steering and Suspension		
AURLTD5007	Analyse and evaluate light vehicle steering and suspension system faults	
Mechanical - Light Vehicle - Technical - Engines		
AURLTE5003	Analyse and evaluate light vehicle engine and fuel system faults	
Mechanical - Light Vehicle - Technical - Driveline and Final Drives		
AURLTQ5003	Analyse and evaluate light vehicle driveline system faults	
Motorsport - Sales and Marketing		
AURMCA5001	Manage motorsport team media liaison	
AURMCA5002	Manage motorsport team promotional partnership and marketing	
Motorsport - Management, Leadership and Supervision		
AURMMA5005	Manage team pit lane and service area operations	AURMTA3005
AURMMA5006	Prepare and implement race strategies	
Motorsport - Technical		
AURMTA5003	Determine material suitability for competition vehicle components	AURMTA3007 MEM30012A
AURMTA5008	Apply aerodynamic and vehicle dynamic principles and effects to competition vehicles	AURMTD4002 AURMTJ4001
Mechanical Miscellaneous - Technical		
AURTTA5022	Develop and apply mechanical system modifications	
Imported Units		

BSBWHS401A	Implement and monitor WHS policies, procedures and programs to meet legislative requirements	
MSAENV672B	Develop workplace policy and procedures for environmental sustainability	

Custom Content Section

Not applicable.