



Australian Government

AUR32512 Certificate III in Automotive Underbody Technology

Release: 1

AUR32512 Certificate III in Automotive Underbody Technology

Modification History

Release	Comment
Release 1	Replaces AUR30611 Certificate III in Automotive Specialist

Description

This qualification covers the skills and knowledge required to perform a broad range of tasks on a variety of underbody systems within the automotive service and repair sector.

Job roles and employment outcomes

The Certificate III in Automotive Underbody Technology is intended to prepare new employees or recognise and develop existing workers performing mechanical work in the automotive light vehicle service and repair sector.

Job outcomes targeted by this qualification include:

- automotive light vehicle underbody repair technicians.

Application

This qualification is typically used to develop employees or recognise and develop existing workers who are performing vehicle service and repair functions in an automotive environment.

They would be expected to perform a range of mechanical operations involving known routines, methods and procedures and take some accountability for the quality of outcomes. This qualification is suitable for an Australian Apprenticeship pathway.

Pathways Information

Pathways into the qualification

Credit may be granted towards this qualification by those who have completed:

- AUR21212 Certificate II in Automotive Underbody Technology
- AUR21312 Certificate II in Automotive Braking System Technology
- AUR21612 Certificate II in Automotive Driveline System Technology
- AUR21712 Certificate II in Automotive Exhaust System Technology
- AUR21812 Certificate II in Automotive Steering and Suspension System Technology
- AUR21912 Certificate II in Automotive Tyre Servicing Technology, or other relevant qualifications.

Pathways from the qualification

Further training pathways from this qualification include AUR40212 Certificate IV in Automotive Mechanical Diagnosis, AUR40812 Certificate IV in Automotive Mechanical Overhauling or other relevant qualifications.

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, depending on the work context. Local regulations should be checked for details.

Entry Requirements

This qualification may be accessed by direct entry.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
<p>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.</p>	
Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • Understanding and carrying out verbal instructions from supervisors and others • Reading, understanding and completing workplace documentation, forms and records • Sharing work-related information with other team members using industry terminology • Communicating with people from a range of social, cultural and ethnic backgrounds
Teamwork	<ul style="list-style-type: none"> • Contributing positively to the work team environment • Working effectively with others in a socially diverse environment • Respecting and understanding the views of others • Giving, receiving and acting upon feedback • Identifying and describing own role and role of others
Problem solving	<ul style="list-style-type: none"> • Recognising a problem or a potential problem within a vehicle component/system servicing environment • Seeking information and assistance to solve problems outside own area of responsibility • Solving problems within own area of responsibility
Initiative and enterprise	<ul style="list-style-type: none"> • Suggesting ideas for workplace improvement to supervisors and team members • Positively adapting to changes in workplace procedures and making adjustments to improve own performance • Taking positive action to report hazards or risk situations to supervisors
Planning and organising	<ul style="list-style-type: none"> • Planning daily work tasks to work safely and manage risks according to workplace procedures • Prioritising activities to achieve required outcomes • Planning and organising appropriate equipment and materials • Planning ahead to anticipate problems with availability of equipment, materials and personnel to assist
Self-management	<ul style="list-style-type: none"> • Following workplace safety requirements and other policies and procedures • Completing known delegated tasks on time

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Employability Skill	Industry/enterprise requirements for this qualification include:
	<ul style="list-style-type: none"> • Selecting and using appropriate equipment, materials, processes and procedures • Asking for advice and assistance when appropriate
Learning	<ul style="list-style-type: none"> • Identifying personal strengths and weaknesses • Acting upon feedback and accepting opportunities to learn to improve work performance • Asking questions to gain information and identify sources of information to expand knowledge and understanding
Technology	<ul style="list-style-type: none"> • Appropriately selecting and using tools and equipment • Recognising and reporting faulty equipment • Using information and communication technology

Packaging Rules

To be awarded this qualification, competency must be demonstrated in **28 units** of competency, consisting of:

- **13 core units**

plus

- **15 elective units**, of which:

- up to **15** elective units may be chosen from the elective units listed below
- up to **5** elective units may be chosen from a Certificate II 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 - Environment	
AURAEA3003	Monitor environmental and sustainability best practice in the automotive mechanical industry
Common – Health and Safety	
AURASA2002	Apply safe working practices in an automotive workplace
Mechanical –Light Vehicle – Brakes	
AURLTB3003	Diagnose and repair light vehicle hydraulic braking systems
Mechanical –Light Vehicle – Steering and Suspension	
AURLTD3004	Repair steering systems (light vehicle)
AURLTD3005	Repair suspension systems (light vehicle)
Mechanical –Vehicle – Tyres and Wheels	
AURLTJ2001	Select tyres and rims for specific applications (light)
AURLTJ2002	Remove, inspect, repair and fit tyres and tubes (light)
AURLTJ2003	Remove, inspect, and refit light vehicle wheel assemblies
Mechanical –Light Vehicle – Technical - Driveline and Final Drives	
AURLTQ3002	Repair final drive – driveline (light vehicle)

Unit code	Unit title
Mechanical Miscellaneous - Technical	
AURTTA3018	Carry out diagnostic procedures
Mechanical Miscellaneous – Technical – Wheels and Tyres	
AURTTJ2001	Balance wheels and tyres
Mechanical Miscellaneous – Technical – Tools and Equipment	
AURTTK2002	Use and maintain workplace tools and equipment
Mechanical Miscellaneous – Technical – Emission and Exhaust	
AURTTZ2002	Repair exhaust system components

Elective units

Unit Code	Unit Title
Common – Foundation Skills	
AURAF2003	Communicate effectively in an automotive workplace
Common – Teamwork, Supervision and Management	
AURAMA2001	Work effectively with others
Electrical – Technical – Steering and Suspension	
AURETD3001	Service and repair electronically controlled steering systems
Electrical – Technical - - Electrical and Electronic	
AURETR2012	Test and repair basic electrical circuits
AURETR3025	Test, charge and replace batteries
AURETR3036	Service and repair electronically controlled suspension systems
Mechanical –Light Vehicle – Regulatory or Legal – Steering and Suspension	
AURLLD3001	Determine compliance of steering and suspension modifications
Mechanical –Light Vehicle – Technical – Steering and Suspension	

AURLTD3003	Reset steering system alignment adjustments to customer specifications
AURLTD3006	Carry out wheel alignment operations (light vehicle)
Mechanical –Light Vehicle – Technical - Wheels and Tyres	
AURLTJ3004	Provide advice on the effects of wheel and tyre combinations
Mechanical –Light Vehicle – Technical - Transmission	
AURLTX3003	Diagnose and repair light vehicle clutch systems
Mechanical Miscellaneous – Technical - Brakes	
AURTTB2001	Inspect and service braking systems
AURTTB2002	Attach friction materials and radius grind
AURTTB2003	Machine brake drums and brake disc rotors
AURTTB3005	Assemble and fit braking systems and components
Mechanical Miscellaneous – Technical – Steering and Suspension	
AURTTD2002	Inspect and service steering systems
AURTTD2004	Inspect and service suspension systems
Mechanical Miscellaneous – Technical – Wheels and Tyres	
AURTTJ2002	Remove and refit wheel hubs and associated brake components
Mechanical Miscellaneous – Technical – Driveline Final Drives	
AURTTQ2003	Service final drive (driveline)
Mechanical Miscellaneous – Technical – Fabrication	
AURTTS2001	Fabricate exhaust system and components
Mechanical Miscellaneous – Technical - Transmission	
AURTTX2005	Inspect and service clutch systems
Vehicle Body – Technical – Welding, Grinding, Machining and Soldering	
AURVTW2001	Carry out manual metal arc welding procedures
AURVTW2003	Carry out gas metal arc welding procedures

AURVTW2008	Carry out oxy acetylene welding, thermal cutting and thermal heating procedures
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Custom Content Section

Not applicable.