



Australian Government

AUR30812 Certificate III in Motorcycle Mechanical Technology

Release: 1

AUR30812 Certificate III in Motorcycle Mechanical Technology

Modification History

Release	Comment
Release 1	Replaces AUR30405 Certificate III in Automotive Mechanical Technology

Description

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

Job roles and employment outcomes

The Certificate III in Motorcycle Mechanical Technology prepares new employees or recognises and develops existing workers performing mechanical work in the automotive motorcycle service and repair industry.

Job roles related to this qualification include:

- automotive motorcycle repair technician.

Application

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 AUR20512 Certificate II in Automotive Servicing Technology, AUR20712 Certificate II in Automotive Vocational Preparation 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 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"> clearly communicating workplace verbal and non-verbal information and ideas with workplace colleagues, 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	<ul style="list-style-type: none"> identifying and describing own role and role of others working with diverse individuals and groups applying knowledge of own role to complete activities efficiently to support team activities and tasks
Problem solving	<ul style="list-style-type: none"> recognising a workplace problem or potential problem and taking 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	<ul style="list-style-type: none"> adapting to new and emerging situations in the workplace being proactive and creative in responding to workplace problems, changes and challenges
Planning and organising	<ul style="list-style-type: none"> 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
Self-management	<ul style="list-style-type: none"> selecting and using appropriate equipment, materials, processes and procedures

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

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Employability Skill	Industry/enterprise requirements for this qualification include:
	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • operating diagnostic and test equipment • performance testing 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 **36 units** of competency, consisting of:

- **24 core units**
- plus
- **12 elective units**, of which:
 - up to **12** elective units may be chosen from the elective units listed below
 - up to **6** elective units may be chosen from a Certificate II 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
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
Electrical – Technical – Electrical and Electronic	
AURETR2012	Test and repair basic electrical circuits
AURETR3023	Diagnose and repair electronic spark ignition engine management systems
AURETR3025	Test, charge and replace batteries
AURETR3029	Diagnose and repair charging systems
AURETR3030	Diagnose and repair starting systems
AURETR3031	Diagnose and repair ignition systems
Mechanical – Motorcycle – Technical – Brakes	
AURJTB3001	Diagnose and repair motorcycle braking systems
Mechanical – Motorcycle – Technical – Steering and Suspension	
AURJTD3003	Diagnose and repair motorcycle suspension systems
AURJTD3004	Diagnose and repair motorcycle steering systems

Unit code	Unit title
Mechanical – Motorcycle – Technical – Engines	
AURJTE3001	Diagnose and repair motorcycle engines
Mechanical – Motorcycle – Technical – Driveline and Final Drives	
AURJTB3002	Diagnose and repair motorcycle driveline systems
Mechanical – Motorcycle – Technical – Transmission	
AURJTX3001	Diagnose and repair motorcycle clutch systems
AURJTX3002	Diagnose and repair motorcycle manual transmissions
Mechanical Miscellaneous – Technical	
AURTTA3018	Carry out diagnostic procedures
Mechanical Miscellaneous – Technical – Brakes	
AURTTB2001	Inspect and service braking systems
Mechanical Miscellaneous – Technical – Cooling Systems	
AURTTC3003	Diagnose and repair cooling systems
Mechanical Miscellaneous – Technical – Engines	
AURTTE2004	Inspect and service engines
Mechanical Miscellaneous – Technical – Fuel Systems	
AURTTF2001	Service petrol fuel systems
AURTTF3006	Diagnose and repair petrol carburettor systems
Mechanical Miscellaneous – Technical – Tools and Equipment	
AURTTK2002	Use and maintain workplace tools and equipment
Mechanical Miscellaneous – Technical – Driveline and Final Drives	
AURTTQ2001	Service final drive assemblies
AURTTQ2003	Service final drive (driveline)

Elective units

Unit code	Unit title
Common – Sales and Marketing	
AURACA2001	Establish relations with customers
Common – Foundation Skills	
AURAF2003	Communicate effectively in an automotive workplace
Electrical – Technical – Electrical and Electronic	
AURETR3022	Diagnose and repair vehicle dynamic control systems
Mechanical – Motorcycle – Technical – Wheels and Tyres	
AURJTJ2001	Remove, inspect and fit motorcycle wheel assemblies
Mechanical – Motorcycle – Technical – Transmission	
AURJTX3003	Diagnose and repair motorcycle automatic transmissions
Mechanical – Light Vehicle – Technical – Transmission	
AURLTD3004	Repair steering systems (light vehicle)
AURLTD3005	Repair suspension systems (light vehicle)
Mechanical – Light Vehicle – Technical – Wheels and Tyres	
AURLTJ2002	Remove, inspect, repair and fit tyres and tubes (light)
Mechanical – Light Vehicle – Technical – Driveline and Final Drives	
AURLTQ3001	Repair final drive assemblies (light vehicle)
AURLTQ3002	Repair final drive – driveline (light vehicle)
Mechanical – Light Vehicle – Technical – Emission and Exhaust	
AURLTZ3001	Diagnose and repair light vehicle emission control systems
Sales and Parts, Administration and Management – Sales and Marketing	
AURSCA2006	Promote products and services
Mechanical Miscellaneous – Technical	

Unit code	Unit title
AURTTA2005	Select and use bearings, seals, gaskets, sealants and adhesives
AURTTA2009	Carry out pre-repair operations (mechanical)
Mechanical Miscellaneous – Technical – Cooling Systems	
AURTTC2001	Inspect and service cooling systems
Mechanical Miscellaneous – Technical – Emission and Exhaust	
AURTTZ2002	Repair exhaust system components
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

Custom Content Section

Not applicable.