



Australian Government

AUR31612 Certificate III in Automotive Drivetrain Technology

Release: 1

AUR31612 Certificate III in Automotive Drivetrain 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 drivetrain systems within the automotive service and repair sector.

Job roles or employment outcomes

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

Employment outcomes targeted by this qualification include:

- automotive light vehicle repair technicians
- automotive heavy vehicle repair technicians

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 Mechanical 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. Local regulations should be checked for details.

Entry Requirements

This qualification may be accessed by direct entry.

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 **25 units** of competency, consisting of:

- **11 core units**

plus

all specialist elective units in **one** of the selected specialist groups relating to occupational streams

plus

- **10-12** general elective units to bring the **total** number of units to **25**, of which:
 - **10-12** 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 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
AURETR3025	Test, charge and replace batteries
Mechanical Miscellaneous - Technical	
AURTTA3018	Carry out diagnostic procedures
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

Unit code	Unit title
AURTTQ2002	Remove and refit driveline components
AURTTQ2003	Service final drive (driveline)
Mechanical Miscellaneous - Technical - Transmission	
AURTTX2002	Inspect and service transmissions (manual)
AURTTX2003	Inspect and service transmissions (automatic)

Group A: Elective units - Light Vehicle Automatic Drivelines

Unit code	Unit title
Electrical - Technical - Driveline and Final Drives	
AURETR3044	Service and repair electronic drive management systems
Mechanical - Light Vehicle - Technical - Transmission	
AURLTX3002	Repair transmissions – automatic (light vehicle)
Mechanical Miscellaneous - Technical - Transmission	
AURTTX4009	Overhaul transmissions (automatic)

Group B: Elective units – Heavy Vehicle Automatic Drivelines

Unit code	Unit title
Electrical - Technical - Electrical and Electronic	
AURETR3044	Service and repair electronic drive management systems
Mechanical - Heavy Vehicle - Technical - Transmission	
AURHTX3003	Repair transmissions - automatic (heavy vehicle)

Group C: Elective units - Light Vehicle Manual Drivelines

Unit code	Unit title
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Unit code	Unit title
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 - Transmission	
AURLTX3001	Repair transmissions - manual (light vehicle)
Mechanical Miscellaneous – Technical - Transmission	
AURTTX4008	Overhaul transmissions (manual)

Group D: Elective units – Heavy Vehicle Manual Drivelines

Unit code	Unit title
Mechanical - Heavy Vehicle - Technical - Driveline and Final Drives	
AURHTQ3002	Repair final drive assemblies (heavy vehicle)
AURHTQ3003	Repair final drive – driveline (heavy vehicle)
Mechanical - Heavy Vehicle – Technical - Transmission	
AURHTX3001	Repair transmissions – manual (heavy vehicle)
Mechanical Miscellaneous – Technical - Transmission	
AURTTX4008	Overhaul transmissions (manual)

General elective units

Unit Code	Unit Title
Mechanical - Heavy Vehicle - Technical - Transmission	
AURHTX3004	Diagnose and repair heavy vehicle clutch systems
Mechanical - Mobile Plant - Technical - Driveline and Final Drives	
AURKTQ3001	Diagnose and repair mobile plant final drive assemblies

Unit Code	Unit Title
Mechanical - Mobile Plant - Technical - Transmission	
AURKTX3001	Diagnose and repair powershift transmissions
Mechanical - Light Vehicle - Technical - Transmission	
AURLTX3003	Diagnose and repair light vehicle clutch systems
Mechanical Miscellaneous - Technical - Driveline and Final Drives	
AURTTQ4004	Overhaul final drive assemblies
Mechanical Miscellaneous - Technical - Transmission	
AURTTX3006	Repair transmissions (hydrostatic)
AURTTX4007	Overhaul clutch assemblies
AURTTX4011	Overhaul torque converters

Custom Content Section

Not applicable.