



**Australian Government**

# **AUR31712 Certificate III in Forklift Technology**

**Release: 1**

## AUR31712 Certificate III in Forklift 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 forklift systems in the automotive service and repair industry.

#### Job roles and employment outcomes

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

Job roles related to this qualification include:

- automotive forklift repair technician
- automotive forklift mechanic.

#### 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 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

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:
<b>Communication</b>	<ul style="list-style-type: none"> <li>clearly communicating workplace verbal and non-verbal information and ideas with workplace colleagues, including use of automotive terms</li> <li>completing workplace reports</li> <li>using and contributing to workplace procedures</li> <li>maintaining workplace records</li> <li>communicating with colleagues and clients to handle verbal enquiries, such as clarifying instructions and responding to requests for information</li> <li>interpreting the needs of customers</li> <li>reading and interpreting workplace-related documentation</li> </ul>
<b>Teamwork</b>	<ul style="list-style-type: none"> <li>identifying and describing own role and role of others</li> <li>working with diverse individuals and groups</li> <li>applying knowledge of own role to complete activities efficiently to support team activities and tasks</li> </ul>
<b>Problem solving</b>	<ul style="list-style-type: none"> <li>recognising a workplace problem or potential problem and taking action</li> <li>determining problems needing priority action</li> <li>referring problems outside area of responsibility to appropriate person and suggesting possible causes</li> <li>seeking information and assistance as required to solve problems</li> <li>using a range of problem-solving techniques</li> <li>taking action to resolve concerns</li> <li>developing practical responses to common breakdowns in workplace systems and procedures</li> </ul>
<b>Initiative and enterprise</b>	<ul style="list-style-type: none"> <li>adapting to new and emerging situations in the workplace</li> <li>being proactive and creative in responding to workplace problems, changes and challenges</li> </ul>
<b>Planning and organising</b>	<ul style="list-style-type: none"> <li>planning own work requirements and prioritising actions to achieve required outcomes and ensure tasks are completed on time</li> <li>identifying risk factors and taking action to minimise risk</li> </ul>
<b>Self-management</b>	<ul style="list-style-type: none"> <li>selecting and using appropriate equipment, materials, processes and procedures</li> </ul>

**EMPLOYABILITY SKILLS QUALIFICATION SUMMARY**

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<b>Employability Skill</b>	<b>Industry/enterprise requirements for this qualification include:</b>
	<ul style="list-style-type: none"><li>• recognising limitations and seeking timely advice</li><li>• planning own work requirements, setting own work program and managing time to ensure tasks are completed on time</li><li>• following workplace documentation, such as codes of practice or operating procedures</li></ul>
<b>Learning</b>	<ul style="list-style-type: none"><li>• asking questions to gain information</li><li>• identifying sources of information, assistance and expert knowledge to expand knowledge, skills and understanding</li><li>• participating in self-improvement activities</li><li>• participating in development of workplace continuous improvement strategies</li><li>• helping others develop competency</li></ul>
<b>Technology</b>	<ul style="list-style-type: none"><li>• operating diagnostic and test equipment</li><li>• performance testing components, systems and equipment</li><li>• using tools and equipment efficiently and safely</li><li>• storing and caring for components, parts, tools, test equipment and support equipment</li><li>• using business technology to collect, analyse and provide information</li></ul>

## Packaging Rules

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

- **18 core units**

plus

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

- up to **10** 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 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
<b>Common – Environment</b>	
AURAEA3003	Monitor environmental and sustainability best practice in the automotive mechanical industry
<b>Common – Health and Safety</b>	
AURASA2002	Apply safe working practices in an automotive workplace
<b>Electrical – Technical – Electrical and Electronic</b>	
AURETR2012	Test and repair basic electrical circuits
AURETR3025	Test, charge and replace batteries
AURETR3029	Diagnose and repair charging systems
AURETR3030	Diagnose and repair starting systems
<b>Mechanical – Heavy Vehicle – Technical – Brakes</b>	
AURHTB3002	Diagnose and repair heavy vehicle hydraulic braking systems
<b>Mechanical – Heavy Vehicle – Technical – Steering and Suspension</b>	
AURHTD3002	Repair steering systems (heavy vehicle)
<b>Mechanical – Lifting Equipment – Technical</b>	
AURNTA3001	Inspect, service and repair lift truck mast assemblies

Unit code	Unit title
<b>Mechanical Miscellaneous – Technical</b>	
AURTTA2004	Carry out servicing operations
AURTTA2005	Select and use bearings, seals, gaskets, sealants and adhesives
AURTTA2006	Service hydraulic systems
AURTTA3013	Repair hydraulic systems
AURTTA3018	Carry out diagnostic procedures
<b>Mechanical Miscellaneous – Technical – Brakes</b>	
AURTTB2001	Inspect and service braking systems
<b>Mechanical Miscellaneous – Technical – Cooling Systems</b>	
AURTTC3003	Diagnose and repair cooling systems
<b>Mechanical Miscellaneous – Technical – Engines</b>	
AURTTE2004	Inspect and service engines
<b>Mechanical Miscellaneous – Technical – Tools and Equipment</b>	
AURTTK2002	Use and maintain workplace tools and equipment

**Elective units**

Unit code	Unit title	Prerequisites
<b>Common – Sales and Marketing</b>		
AURACA2001	Establish relations with customers	
<b>Common – Foundation Skills</b>		
AURAF2003	Communicate effectively in an automotive workplace	
<b>Electrical – Technical – Hybrid Vehicle and Battery Electric Vehicle</b>		
AURETH3001	Depower battery electric vehicles	
AURETH3002	Service and maintain battery electric vehicles	AURETH3001

Unit code	Unit title	Prerequisites
<b>Electrical – Technical – Tools and Equipment</b>		
AURETK2002	Use and maintain automotive electrical test equipment	
<b>Electrical – Technical – Electrical and Electronic</b>		
AURETR2007	Demonstrate knowledge of automotive electrical circuits and wiring systems	
AURETR2010	Fabricate, test and repair wiring harnesses and looms	
AURETR2011	Install and test basic ancillary electrical components	
AURETR3019	Inspect, service and repair AC electric motor drive systems	
AURETR3021	Inspect, service and repair electronic management, monitoring and tracking systems	
AURETR3023	Diagnose and repair electronic spark ignition engine management systems	
AURETR3024	Diagnose and repair electronic compression ignition engine management systems	
AURETR3028	Diagnose and repair instruments and warning systems	
AURETR3031	Diagnose and repair ignition systems	
AURETR3032	Repair electrical systems	
AURETR3044	Service and repair electronic drive management systems	
<b>Electrical – Technical – Air Conditioning and HVAC</b>		
AURETU2003	Service air conditioning and HVAC systems	
AURETU3004	Diagnose and repair air conditioning and HVAC systems	
AURETU3005	Retrofit and modify air conditioning and HVAC systems	
<b>Mechanical – Heavy Vehicle – Technical – Engines</b>		
AURHTE2001	Remove and install heavy vehicle engine assemblies	
AURHTE3002	Repair engines and associated engine components (heavy vehicle)	



Unit code	Unit title	Prerequisites
<b>Mechanical – Heavy Vehicle – Technical – Wheels and Tyres</b>		
AURHTJ2006	Remove, inspect, repair and fit tyres and tubes (heavy)	
<b>Mechanical – Heavy Vehicle – Technical – Driveline and Final Drives</b>		
AURHTQ3002	Repair final drive assemblies (heavy vehicle)	
<b>Mechanical – Heavy Vehicle – Technical – Emission and Exhaust</b>		
AURHTZ3001	Diagnose and repair heavy vehicle emission control systems	
<b>Mechanical – Mobile Plant – Technical – Electrical and Electronic</b>		
AURKTR3001	Diagnose and repair electric-over-hydraulic control systems	
<b>Mechanical – Light Vehicle – Brakes</b>		
AURLTB3003	Diagnose and repair light vehicle hydraulic braking systems	
<b>Mechanical – Light Vehicle – Technical – Steering and Suspension</b>		
AURLTD3004	Repair steering systems (light vehicle)	
AURLTD3005	Repair suspension systems (light vehicle)	
AURLTD3006	Carry out wheel alignment operations (light vehicle)	
<b>Mechanical – Light Vehicle – Technical – Engines</b>		
AURLTE2001	Remove and install light vehicle engine assemblies	
AURLTE3002	Repair engines and associated engine components (light vehicle)	
<b>Mechanical – Light Vehicle – Technical – Wheels and Tyres</b>		
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	
<b>Mechanical – Light Vehicle – Technical – Driveline and Final Drives</b>		

Unit code	Unit title	Prerequisites
AURLTQ3001	Repair final drive assemblies (light vehicle)	
<b>Mechanical – Light Vehicle – Technical – Transmission</b>		
AURLTX3002	Repair transmissions – automatic (light vehicle)	
AURLTX3003	Diagnose and repair light vehicle clutch systems	
<b>Mechanical – Light Vehicle – Technical – Emission and Exhaust</b>		
AURLTZ3001	Diagnose and repair light vehicle emission control systems	
<b>Mechanical Miscellaneous – Technical</b>		
AURTTA2009	Carry out pre-repair operations (mechanical)	
AURTTA3011	Install hydraulic systems to specified applications	
AURTTA3012	Manufacture and install fluid power hose assemblies	
AURTTA3017	Carry out vehicle safety and roadworthy inspections	
<b>Mechanical Miscellaneous – Technical – Brakes</b>		
AURTTB2003	Machine brake drums and brake disc rotors	
AURTTB3006	Inspect, service and repair auxiliary braking systems	
<b>Mechanical Miscellaneous – Technical – Steering and Suspension</b>		
AURTTD2002	Inspect and service steering systems	
AURTTD2004	Inspect and service suspension systems	
<b>Mechanical Miscellaneous – Technical – Fuel Systems</b>		
AURTTF2001	Service petrol fuel systems	
AURTTF2002	Service diesel fuel injection systems	
AURTTF3004	Repair diesel fuel injection systems	
AURTTF3005	Inspect and repair engine forced induction systems	
AURTTF3006	Diagnose and repair petrol carburettor systems	

Unit code	Unit title	Prerequisites
<b>Mechanical Miscellaneous – Technical – Wheels and Tyres</b>		
AURTTJ2001	Balance wheels and tyres	
<b>Mechanical Miscellaneous – Technical – Tools and Equipment</b>		
AURTTK2001	Use and maintain measuring equipment in an automotive workplace	
<b>Mechanical Miscellaneous – Technical – Alternative Fuels</b>		
AURTTL3001	Service CNG fuel systems	
AURTTL3002	Diagnose and repair CNG fuel systems	
AURTTL3007	Service LPG fuel systems	
AURTTL3008	Diagnose and repair LPG fuel systems	
<b>Mechanical Miscellaneous – Technical – Driveline and Final Drives</b>		
AURTTQ2001	Service final drive assemblies	
AURTTQ2003	Service final drive (driveline)	
<b>Mechanical Miscellaneous – Technical – Welding, Grinding, Machining and Soldering</b>		
AURTTW2001	Carry out soft soldering techniques	
<b>Mechanical Miscellaneous – Technical – Transmission</b>		
AURTTX2002	Inspect and service transmissions (manual)	
AURTTX2003	Inspect and service transmissions (automatic)	
AURTTX2004	Service transmissions (hydrostatic)	
AURTTX3006	Repair transmissions (hydrostatic)	
<b>Mechanical Miscellaneous – Technical – Emission and Exhaust</b>		
AURTTZ2002	Repair exhaust system components	
<b>Vehicle Body – Technical – Welding, Grinding, Machining and Soldering</b>		
AURVTW2001	Carry out manual metal arc welding procedures	

Unit code	Unit title	Prerequisites
AURVTW2002	Carry out brazing 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.