



Australian Government

AUR20612 Certificate II in Marine Mechanical Technology

Release: 1

AUR20612 Certificate II in Marine Mechanical Technology

Modification History

Release	Comment
Release 1	Replaces AUR20611 Certificate II in Marine

Description

This qualification covers the skills and knowledge required to perform a limited range of mechanical service tasks within the marine industry. It is suitable for entry into the marine mechanical service and repair sector.

Job roles and employment outcomes

The employment outcomes of Certificate II in Marine Mechanical Technology would see an individual working in the marine mechanical service and repair industry.

The marine service technician would be typically involved in tasks involving defined and known routines, methods and procedures and providing solutions to a limited range of predictable problems. Some complex and non-routine activities involving autonomy and judgement in structured and stable contexts may be expected.

Application

This qualification is suitable for an Australian Apprenticeship pathway.

Pathways Information

Pathways into the qualification

Credit will be granted towards this qualification by those who have completed AUR10112 Certificate I in Automotive Vocational Preparation or other relevant qualifications.

Pathways from the qualification

Further training pathways from this qualification include AUR30512 Certificate III in Marine Mechanical Technology 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 Marine service and repair 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	<ul style="list-style-type: none"> • understanding and carrying out verbal instructions from supervisors and others • reading and understanding workplace documents • completing written workplace documentation, forms, logs and diaries • sharing work-related information with other team members • communicating with people from a range of social, cultural and ethnic backgrounds • seeking and acting upon feedback
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 and receiving feedback
Problem solving	<ul style="list-style-type: none"> • recognising a problem or a potential problem within a marine component or system or with equipment • 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"> • making adjustments to improve own performance • suggesting ideas for workplace improvement to supervisors and team members • positively adapting to changes in workplace procedures or arrangements • taking positive action to report hazards or risk situations to supervisors
Planning and organising	<ul style="list-style-type: none"> • understanding how own job role fits into the wider workplace context • planning daily work tasks to work safely and manage risks according to workplace procedures
Self-management	<ul style="list-style-type: none"> • following workplace safety requirements and other policy and procedures • managing own time • completing known delegated tasks on time

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

	<ul style="list-style-type: none">• completing non-routine tasks as requested• selecting appropriate equipment and materials• asking for advice and assistance
Learning	<ul style="list-style-type: none">• identifying personal strength and weaknesses• positively accepting opportunities to learn• acting upon feedback to improve work performance• asking questions to gain information
Technology	<ul style="list-style-type: none">• appropriately setting up technological equipment• using workplace diagnosis technology• recognising and reporting faulty equipment

Packaging Rules

To be awarded this qualification, competency must be demonstrated in **18 units** of competency, consisting of:

- **12 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 **3** 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 - Foundation Skills	
AURAF2001	Use numbers in an automotive workplace
AURAF2002	Read in an automotive workplace
AURAF2005	Write routine texts in an automotive workplace
Common - Health and Safety	
AURAS2002	Apply safe working practices in an automotive workplace
Marine - Environment	
AURREA2001	Apply environmental and sustainability best practice in a marine workplace
Marine - Technical - Engines	
AURRTE2002	Service outboard engines and components
AURRTE2003	Service inboard engines and components
Marine - Technical - Driveline and Final Drives	
AURRTQ2001	Service inboard propeller drive systems
AURRTQ2002	Service jet drive propulsion systems
Marine - Technical - Transmissions	

Unit code	Unit title
AURRTX2001	Service marine outboard and stern drive transmissions
AURRTX2002	Service marine inboard transmissions
Mechanical Miscellaneous - Technical - Tools and Equipment	
AURTTK2002	Use and maintain workplace tools and equipment

Elective units

Unit code	Unit title
Common - Foundation Skills	
AURAF2003	Communicate effectively in an automotive workplace
AURAF2004	Solve routine problems in an automotive workplace
Common - Management, Leadership and Supervision	
AURAMA2001	Work effectively with others
AURAMA2002	Communicate business information
Common - Quality	
AURAQA2001	Contribute to quality work outcomes
Electrical - Technical - Tools and Equipment	
AURETK1001	Identify, select and use low voltage electrical test equipment
AURETK2002	Use and maintain automotive electrical test equipment
Electrical - Technical - Electrical and Electronic	
AURETR1003	Apply automotive electrical system fundamentals
AURETR2006	Carry out soldering of electrical wiring and circuits
AURETR2009	Install, test and repair vehicle lighting and wiring systems
AURETR2011	Install and test basic ancillary electrical components
AURETR2012	Test and repair basic electrical circuits

Unit code	Unit title
AURETR2015	Inspect and service batteries
AURETR3025	Test, charge and replace batteries
Mechanical - Light Vehicle - Technical	
AURLTA1001	Apply automotive mechanical system fundamentals
Marine	
AURRGA3003	Moor a motor-driven vessel
Marine - Technical	
AURRTA2001	Service deck, hull and cabin equipment
AURRTA3005	Repair deck, hull and cabin equipment
AURRTA3006	Water test a vessel
Marine - Technical - Engines	
AURRTE1001	Prepare outboard engines for wet-run testing
AURRTE3006	Diagnose and repair outboard engines and components
AURRTE3007	Diagnose and repair inboard engines and components
AURRTE3010	Water test engines in tanks
Marine - Technical - Electrical and Electronic	
AURRTR1001	Inspect, service and maintain marine battery storage systems
AURRTR3004	Install marine electrical systems and components
Mechanical Miscellaneous - Technical	
AURTTA2005	Select and use bearings, seals, gaskets, sealants and adhesives
AURTTA2010	Service and repair trailers up to 4.5 tonnes
Mechanical Miscellaneous - Technical - Brakes	
AURTTB2001	Inspect and service braking systems
Mechanical Miscellaneous - Technical - Engines	

Unit code	Unit title
AURTTE2004	Inspect and service engines
Mechanical Miscellaneous - Technical - Fuel Systems	
AURTTTF2002	Service diesel fuel injection systems
AURTTTF3005	Inspect and repair engine forced induction systems
Mechanical Miscellaneous - Technical - Tools and Equipment	
AURTTK2001	Use and maintain measuring equipment in an automotive workplace
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
Imported Units	
BSBFLM312C	Contribute to team effectiveness
BSBWOR202A	Organise and complete daily work activities
TLID1001A	Shift materials safely using manual handling methods

Custom Content Section

Not applicable.