



Australian Government

AUR30516 Certificate III in Marine Mechanical Technology

Release 2

AUR30516 Certificate III in Marine Mechanical Technology

Modification History

Release	Comment
Release 2	Updates to elective bank.
Release 1	New Release

Qualification Description

This qualification reflects the role of individuals who perform a range of tasks in the marine industry. It is suitable for entry into the marine mechanical service and repair sector.

Entry Requirements

This qualification may be accessed by direct entry.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

Packaging Rules

Total number of units = 30

11 core units

19 elective units, of which:

- up to **19** elective units may be chosen from the elective units listed below
- up to **5** 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
AURAEA002	Follow environmental and sustainability best practice in an

Unit code	Unit title
	automotive workplace
AURASA002	Follow safe working practices in an automotive workplace
AURETR012	Test and repair basic electrical circuits
AURETR025	Test, charge and replace batteries and jump-start vehicles
AURETR029	Diagnose and repair charging systems
AURETR030	Diagnose and repair starting systems
AURRTE008	Install marine engines, controls and instruments
AURRTR006	Diagnose and repair marine electrical systems
AURRTR007	Install marine electrical systems and components
AURTTE001	Apply knowledge of engine science
AURTTK002	Use and maintain tools and equipment in an automotive workplace

Elective Units

Unit code	Unit title
AURAF001	Use numbers in an automotive workplace
AURAF002	Read and respond to automotive workplace information
AURAF003	Communicate effectively in an automotive workplace
AURAF004	Resolve routine problems in an automotive workplace
AURAF005	Write routine texts in an automotive workplace
AURAMA001	Work effectively with others in an automotive workplace
AURAMA002	Communicate business information in an automotive workplace
AURAQA001	Contribute to quality work outcomes in an automotive workplace
AURETB001	Diagnose and repair electric braking systems
AURETK002	Use and maintain electrical test equipment in an automotive workplace

Unit code	Unit title
AURETR006	Solder electrical wiring and circuits
AURETR009	Install vehicle lighting and wiring systems
AURETR011	Install basic ancillary electrical systems and components
AURETR015	Inspect, test and service batteries
AURETR021	Inspect, service and repair electronic management, monitoring and tracking systems
AURETR023	Diagnose and repair spark ignition engine management systems
AURETR024	Diagnose and repair compression ignition engine management systems
AURETR026	Remove, replace and program electrical and electronic units and assemblies
AURETR028	Diagnose and repair instruments and warning systems
AURETR031	Diagnose and repair ignition systems
AURETR032	Diagnose and repair automotive electrical systems
AURHTF002	Diagnose and repair heavy vehicle diesel fuel injection systems
AURHTZ001	Diagnose and repair heavy vehicle emission control systems
AURLTB003	Diagnose and repair light vehicle hydraulic braking systems
AURRGA002	Use cranes, gantries and forklifts to launch and recover vessels
AURRTC001	Diagnose and repair marine exhaust and cooling systems
AURRTD001	Diagnose and repair marine steering systems
AURRTE002	Inspect and service marine outboard engines
AURRTE003	Inspect and service marine inboard engines
AURRTE006	Diagnose and repair marine outboard engines
AURRTE007	Diagnose and repair marine inboard engines
AURRTE011	Overhaul two and four-stroke cycle marine outboard engines

Unit code	Unit title
AURRTF001	Diagnose and repair petrol and diesel marine fuel systems
AURRTQ001	Inspect and service marine inboard propeller drive systems
AURRTQ002	Inspect and service marine jet drive propulsion systems
AURRTQ004	Diagnose and repair marine inboard propeller drive systems
AURRTQ005	Install marine jet drive propulsion systems
AURRTQ006	Diagnose and repair marine jet drive propulsion systems
AURRTX001	Inspect and service marine outboard and stern drive transmissions
AURRTX002	Inspect and service marine inboard transmissions
AURRTX003	Diagnose and repair marine outboard and stern drive transmissions
AURRTX004	Diagnose and repair marine inboard transmissions
AURTGA001	Drive and manoeuvre trailers
AURTTA010	Service and repair trailers up to 4.5 tonnes
AURTTA013	Diagnose and repair hydraulic systems
AURTTA018	Carry out diagnostic procedures
AURTTA021	Diagnose complex system faults
AURTTB001	Inspect and service braking systems
AURTTF002	Inspect and service diesel fuel injection systems
AURTTF005	Diagnose and repair engine forced-induction systems
AURTTK001	Use and maintain measuring equipment in an automotive workplace
AURVTW001	Carry out manual metal arc welding on components
AURVTW003	Carry out advanced gas metal arc welding on vehicle body sections
AURVTW018	Carry out oxyacetylene welding, thermal heating and cutting
BSBWOR202	Organise and complete daily work activities
BSBWOR301	Organise personal work priorities and development

Unit code	Unit title
MEM09002B	Interpret technical drawing
TLID1001	Shift materials safely using manual handling methods
TLILIC2001	Licence to operate a forklift truck

Qualification Mapping Information

Equivalent to AUR30514 Certificate III in Marine Mechanical Technology

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>