

Marine Mechanical Technology

AQF VET qualification: Statement of Attainment towards AUR30516 Certificate III in Marine Mechanical Technology

Training Package: AUR Automotive Retail, Service and Repair (version 3)

BOSTES course name	Pattern of study	BOSTES course number	Schools Online (Administration) entry advice
Marine Mechanical Technology (240 hours)	2 units x 2 years	65555	Enter this course number for both Preliminary (Year 11) and HSC (Year 12)
Marine Mechanical Technology (360 hours)	3 units x 2 years	65556	Enter this course number for both Preliminary (Year 11) and HSC (Year 12)

Eligibility: This course is only available to students undertaking a school-based apprenticeship.

Exclusions: Automotive Curriculum Framework

HSC course requirements

Marine Mechanical Technology (240 indicative hours)

- the possible qualification outcome is a Statement of Attainment towards AUR30516 Certificate III in Marine Mechanical Technology
- accredited for a total of 4 units at the Preliminary and/or HSC level
- attempt core and/or elective units of competency to a minimum of 240 HSC indicative hours
- mandatory work placement requirements are met through the on-the-job training component of the school-based apprenticeship.

Marine Mechanical Technology (360 indicative hours)

- the possible qualification outcome is a Statement of Attainment towards AUR30516 Certificate III in Marine Mechanical Technology
- accredited for a total of 6 units at the Preliminary and/or HSC level
- attempt core and/or elective units of competency to a minimum of 360 HSC indicative hours
- mandatory work placement requirements are met through the on-the-job training component of the school-based apprenticeship.

The requirements for the completion of an HSC VET course are different to the requirements for AQF VET qualification completion. Registered Training Organisations (RTOs) need to ensure that delivery of courses meets HSC course requirements and complies with Training Package rules.

For a course to count towards the HSC program of study, students must satisfy the course completion criteria as required by the Board of Studies, Teaching and Educational Standards NSW (BOSTES). (Refer to the [Assessment Certification Examination \(ACE\) website](#).) There must be sufficient evidence that the student has:

- followed the course developed or endorsed by BOSTES
- applied themselves with diligence and sustained effort to the set tasks and experiences provided in the course
- achieved some or all of the course outcomes
- (where applicable) undertaken the mandatory work placement.

Unit credit for the Higher School Certificate

Marine Mechanical Technology HSC VET courses count as Board Endorsed unit credit for the HSC but do not contribute towards an Australian Tertiary Admission Rank (ATAR).

To facilitate flexibility of VET in the HSC, courses may be delivered as Preliminary, as HSC or as a combination of Preliminary and HSC units.

The HSC credit units will be allocated to students' Preliminary and/or HSC patterns of study as required.

The pattern of study (BOSTES course number) entered on *Schools Online (Administration)* should reflect the delivery of the HSC VET course over successive years. For example, delivery of a 240 HSC indicative hour course over two years should be entered as 2 units x 2 years. Students will be credentialled for the HSC credit units entered each calendar year, provided they have satisfactorily completed the course requirements for that calendar year as determined by the school, college or RTO.

Course content

Unit code and title	Status for AQF VET qualification	HSC indicative hours of credit
AURAEA002 Follow environmental and sustainability best practice in an automotive workplace	core	15
AURASA002 Follow safe working practices in an automotive workplace	core	15
AURETR012 Test and repair basic electrical circuits	core	25
AURETR025 Test, charge and replace batteries and jump-start vehicles	core	10
AURRTE008 Install marine engines, controls and instruments	core	20
AURRTR007 Install marine electrical systems and components	core	15
AURTTE001 Apply knowledge of engine science	core	30
AURTTK002 Use and maintain tools and equipment in an automotive workplace	core	25
AURRTR006 Diagnose and repair marine electrical systems	core	20
AURRTC001 Diagnose and repair marine exhaust and cooling systems	elective – listed	20
AURRTE002 Inspect and service marine outboard engines	elective – listed	10
AURRTE006 Diagnose and repair marine outboard engines	elective – listed	30
AURRTQ004 Diagnose and repair marine inboard propeller drive systems	elective – listed	15
AURTTA010 Service and repair trailers up to 4.5 tonnes	elective – listed	15
AURTTF002 Inspect and service diesel fuel injection systems	elective – listed	20
AURETR023 Diagnose and repair spark ignition engine management system	elective – listed	25
AURHTF002 Diagnose and repair heavy vehicle diesel fuel injection system	elective – listed	25
AURRTX001 Inspect and service marine outboard and stern drive transmission	elective – listed	20
AURTTA021 Diagnose complex system faults	elective – listed	25

AQF VET qualification

Qualification packaging rules are contained in the [AUR Automotive Retail, Service and Repair Training Package](#) at <http://training.gov.au>.

In summary, to attain the full [AUR30516 Certificate III in Marine Mechanical Technology](#) students will need to achieve 30 units of competency including:

- a) 11 core units of competency
- b) 19 elective units of competency
 - up to 19 elective units may be chosen from the elective units listed
 - up to 5 elective units may be chosen from a Certificate II qualification or above in the AUR 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.

Other information

Criteria for the endorsement of Board Endorsed VET courses (VET BECs)

The criteria for endorsement of VET BECs are outlined in the *Guidelines for Stages 5 and 6 Board Endorsed VET Courses* available on the BOSTES website at www.boardofstudies.nsw.edu.au/voc_ed/board-endorsed-courses.html.

HSC VET course delivery

HSC VET courses can only be delivered by an RTO with the relevant qualification and units of competency on their scope of registration. Scope of registration can be checked at <http://training.gov.au>.

RTOs offering training programs for the delivery and assessment of Marine Mechanical Technology HSC VET courses must meet the requirements of the VET Quality Framework, the [AUR Automotive Retail, Service and Repair Training Package](#) and the HSC course.

Information about the delivery of HSC VET courses by RTOs other than school system RTOs or TAFE NSW institutes is contained on the BOSTES [Assessment Certification Examination \(ACE\) website](#).

Non-government schools outsourcing delivery of HSC VET courses to external providers also need to refer to the *Registered and Accredited Individual Non-government Schools (NSW) Manual* or *Registration Systems and Member Non-government Schools (NSW) Manual* which are available on the BOSTES website at <http://rego.bostes.nsw.edu.au/>.

HSC work placement requirements

Work placement is a mandatory HSC requirement for all Marine Mechanical Technology VET courses.

Students undertaking HSC VET courses as part of a school-based apprenticeship or traineeship will meet mandatory work placement hour requirements through the on-the-job training component of the school-based apprenticeship or traineeship.

Students' outside employment (ie not under the auspices of the school) may be recognised towards the requirement for work placement in a VET course ([ACE 8051 – Assessment Certification Examination \(ACE\) website](#)).

Non-completion of work placement is grounds for withholding the HSC course. Schools and colleges are advised to follow the procedure for issuing 'N' determinations as outlined on the BOSTES [Assessment Certification Examination \(ACE\) website](#).

Allocation of HSC indicative hours of credit

Units of competency drawn from Training Packages are not defined in terms of duration. The amount of time required by individual students to achieve competency will vary according to their aptitude and experience. Where a training program is designed for delivery by an RTO, the RTO will specify the length of the training program according to the delivery strategies and/or curriculum resources chosen.

However, for the purposes of the HSC, VET courses must be described in terms of their indicative hours. For this reason, indicative hours for unit credit towards the HSC have been assigned to each unit of competency. It is emphasised that the assignment of indicative hours does not imply that all students will fulfil all requirements of a unit of competency within these hours. RTOs may determine that additional or fewer hours are required for the

achievement of particular competencies. However, this does not alter the HSC indicative hours allocated, only the delivery hours.

Students may need to spend additional time practising skills in a work environment and completing projects and assignments, in order to fulfil Training Package assessment requirements.

Exclusions

Where there is significant overlap between an HSC VET course and other HSC VET or general education courses, BOSTES has an exclusion between the courses. Exclusions are applied at a course level rather than at the unit of competency level.

Students can only undertake the Marine Mechanical Technology (240 indicative hours) course or the Marine Mechanical Technology (360 indicative hours) course.

Schools should check all course exclusions when determining an appropriate pattern of study for their students.

Course exclusions for Marine Mechanical Technology are detailed on the first page of this course description.

Recognition of Prior Learning (RPL) and credit transfer within VET courses

Students who have current knowledge, skills or experience relevant to a VET course may be granted credit towards the course requirements.

Arrangements for RPL and credit transfer within VET courses, including processes, application form and examples of possible scenarios, are detailed on the BOSTES website at www.boardofstudies.nsw.edu.au/voc_ed/rpl.html.

School-based apprentices and trainees

Information regarding provision for school-based apprentices and trainees within the HSC is available on the BOSTES website at www.boardofstudies.nsw.edu.au/voc_ed/apprenticeships-traineeships.html.

Information on requirements and arrangements for NSW school-based apprenticeships and traineeships is available at www.training.nsw.gov.au/individuals/apprenticeships_traineeships/school_based/index.html.

Students with special education needs

Students with special education needs may access a VET course in one of two ways:

- by undertaking the course under regular course arrangements, or
- by undertaking selected units of competency within the course that have been identified through the collaborative curriculum planning process.

For more information, see the [VET Courses and Students with Special Education Needs](#) fact sheet, as well as [Collaborative Curriculum Planning](#) advice, on the BOSTES website.

Students in Years 9 and 10 (Stage 5)

In certain circumstances students in Years 9 and 10 (Stage 5) may access Stage 6 VET courses. Further information is available on the BOSTES website at www.boardofstudies.nsw.edu.au/voc_ed/stage-5.html.