

Aquaculture

AQF VET qualification: SFI20111 Certificate II in Aquaculture

Training Package: SFI11 Seafood Industry (version 2.2)

BOSTES course name	Pattern of study	BOSTES course number	Schools Online (Administration) entry advice
Aquaculture (240 hours)	2 units x 2 years	50090	Enter this course number for both Preliminary (Year 11) and HSC (Year 12)

Eligibility: Nil

Exclusions: Nil

HSC course requirements

Aquaculture (240 indicative hours)

- the possible qualification outcome is SFI20111 Certificate II in Aquaculture
- accredited for a total of 4 units at the Preliminary and/or HSC level
- attempt all core units of competency (totalling 65 HSC indicative hours) and elective units of competency to a minimum of 175 HSC indicative hours and to meet qualification packaging rules.

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. (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

Aquaculture 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

CORE

Unit code and title	Status for AQF VET qualification	HSC indicative hours of credit
SFICORE101C Apply basic food handling and safety practices	core	15
SFICORE103C Communicate in the seafood industry	core	15
SFICORE105B Work effectively in the seafood industry	core	20
SFICORE106B Meet workplace OHS requirements	core	15

Total HSC indicative hours for core units of competency: 65

ELECTIVE

Unit code and title	Status for AQF VET qualification	HSC indicative hours of credit
Aquaculture specialist units		
AHCMOM304A Operate machinery and equipment	elective – Group A	20
SFIAQUA205C Feed stock	elective – Group A	15
SFIAQUA206C Handle stock	elective – Group A	15
SFIAQUA209C Manipulate stock culture environment	elective – Group A	20
SFIAQUA211C Undertake routine maintenance of water supply and disposal systems and structures	elective – Group A	20
SFIAQUA213C Monitor stock and environmental conditions	elective – Group A	20
SFIAQUA214B Produce algal or live-feed cultures	elective – Group A	25
SFIAQUA215B Carry out on-farm post-harvest operations	elective – Group A	25
SFIAQUA216B Harvest cultured or held stock	elective – Group A	15
SFIAQUA217B Maintain stock culture, holding and other farm structures	elective – Group A	15
SFIAQUA219B Operate and maintain high technology water treatment components	elective – Group A	30
SFIAQUA221A Control predators and pests	elective – Group A	20
SFIAQUA222A Control diseases	elective – Group A	15

Unit code and title	Status for AQF VET qualification	HSC indicative hours of credit
Aquaculture operations		
SFIEMS201B Participate in environmentally sustainable work practices	elective – Group B	15
SFIFISH209C Maintain the temperature of seafood	elective – Group B	15
SFISTOR204A Prepare, pack and dispatch stock for live transport	elective – Group B	20
Farm operations		
AHCMOM202A Operate tractors	elective – Group B	20
Occupational health and safety		
HLTAID003 Provide first aid	elective – Group B	20
Seafood processing		
SFIPROC101C Clean fish Prerequisite: SFIPROC106B	elective – Group B	10
SFIPROC102C Clean work area	elective – Group B	10
SFIPROC105B Fillet fish and prepare portions Prerequisite: SFIPROC106B	elective – Group B	20
SFIPROC106B Work with knives	elective – Group B	10
SFIPROC203C Shuck molluscs	elective – Group B	10
Seafood sales, distribution and marketing		
SFIDIST202C Retail fresh, frozen and live seafood	elective – Group B	20
Seafood transport and storage		
SFISTOR203C Assemble and load refrigerated product	elective – Group B	15
TLID1001A Shift materials safely using manual handling methods	elective – Group B	10
TLID2004A Load and unload goods/cargo	elective – Group B	10
Other		
SFIAQUA102B Carry out basic aquaculture activities	elective	10
SFIAQUA301C Oversee and undertake effluent and waste treatment and disposal	elective	25
SFIAQUA308C Maintain water quality and environmental monitoring	elective	20

AQF VET qualification

Qualification packaging rules are contained in the [SFI11 Seafood Industry Training Package](#) at <http://training.gov.au>.

In summary, to attain [SFI20111 Certificate II in Aquaculture](#) students must achieve 15 units of competency including:

- a) 4 core units of competency
- b) 4 aquaculture specialist elective units of competency (Group A)
- c) 7 elective units of competency that may be selected from a combination of:
 - Group A aquaculture specialist units not yet selected for this qualification
 - Group B elective units
 - imported units from the SFI11 Training Package or any other nationally endorsed Training Package or accredited course. A maximum of 3 units can be imported, however, at least 2 of those units must be aligned to Certificate II or III level. Units must be relevant to aquaculture operations and not duplicate skills already selected.

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 Aquaculture HSC VET courses must meet the requirements of the VET Quality Framework, the [SFI11 Seafood Industry 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>.

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 course, BOSTES has an exclusion between the courses. Exclusions are generally applied at a course level rather than at the unit of competency level.

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

Course exclusions for Aquaculture 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.