# Aquaculture

**AQF VET qualification:**   Certificate II in Aquaculture (SFI20111)

**Training Package:**   Seafood Industry (SFI11)

| BOS course name | Pattern of study | BOS course number | Schools Online (Administration) entry advice |
|---|---|---|---|
| Aquaculture (120 hours) | 2 units x 1 year | 50091 | Enter this course number for either Preliminary (Year 11) or HSC (Year 12) |
| Aquaculture (240 hours) | 2 units x 2 years | 50090 | Enter this course number for both Preliminary (Year 11) and HSC (Year 12) |
| Aquaculture (360 hours) | 2 units x 2 years | 50090 | Enter this course number for both Preliminary (Year 11) and HSC (Year 12) |
| | **and** | | |
| | 2 units x 1 year | 50091 | Enter this course number for either Preliminary (Year 11) or HSC (Year 12) depending on pattern of delivery |

**Eligibility:**   Nil

**Exclusions:**   Nil

## HSC course requirements

**Aquaculture (120 indicative hours)**

- the possible qualification outcome is a Statement of Attainment towards Certificate II in Aquaculture (SFI20111)
- accredited for a total of 2 units at the Preliminary and/or HSC level
- attempt core and/or elective units of competency to a minimum of 120 HSC indicative hours.

**Aquaculture (240 indicative hours)**

- the possible qualification outcome is a Statement of Attainment towards Certificate II in Aquaculture (SFI20111)
- 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.

**Aquaculture (360 indicative hours)**

- the possible qualification outcome is a Certificate II in Aquaculture (SFI20111)
- accredited for a total of 6 units at the Preliminary and/or HSC level
- attempt all core units of competency and elective units of competency to a minimum of 295 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. (Refer to the *Assessment Certification Examination (ACE) website*.)

There must be sufficient evidence that the student has:

- followed the course developed by the Board
- 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 (BOS 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 |
| **Aquaculture operations** | | |
| SFIEMS201B    Participate in environmentally sustainable work practices | elective – Group B | 15 |

| Unit code and title | Status for AQF VET qualification | HSC indicative hours of credit |
|---|---|---|
| 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** | | |
| HLTFA301B    Apply first aid | elective – Group B | 20 |
| **Seafood processing** | | |
| SFIPROC101C    Clean fish<br>Prerequisite:  SFIPROC106B | elective – Group B | 10 |
| SFIPROC102C    Clean work area | elective – Group B | 10 |
| SFIPROC105B    Fillet fish and prepare portions<br>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 *Seafood Industry Training Package (SFI11)* at http://training.gov.au.

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

a)  4 core units of competency, plus

b)  4 aquaculture specialist elective units of competency (Group A), plus:

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 from any other nationally endorsed Training Package or accredited course. A maximum of three (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 Board's 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 *Seafood Industry Training Package (SFI11)* 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 Board's *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 Board's website at www.boardofstudies.nsw.edu.au/manuals/#regaccredsystemsmanuals.

### 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, the Board 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 Aquaculture (120 indicative hours) course or the Aquaculture (240 indicative hours) or the Aquaculture (360 indicative hours) course.

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 forms and examples of possible scenarios, are detailed on the Board's 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 Board's 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 on the Board's 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 Board's website at www.boardofstudies.nsw.edu.au/voc_ed/stage-5.html.