

B O A R D O F S T U D I E S
NEW SOUTH WALES

Primary Industries Certificate III in Agriculture (AHC30110)

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The Primary Industries Curriculum Framework includes the following documentation:

- the syllabus
- associated documents
- support materials.

All of the Framework documentation is available on the Board’s website at www.boardofstudies.nsw.edu.au/syllabus_hsc/primary-industries.html.

This document, *Primary Industries – Certificate III in Agriculture (AHC30110)*, should be read in conjunction with the [Primary Industries Curriculum Framework Stage 6 Syllabus](#).

Introduction to the Primary Industries Curriculum Framework

The Primary Industries Curriculum Framework is a Board Developed HSC syllabus based on the national *Agriculture, Horticulture and Conservation and Land Management Training Package (AHC10)* and includes a pathway to *Certificate III in Agriculture (AHC30110)*.

The Primary Industries Curriculum Framework contains the following HSC VET courses (detailed in [Section 2 of the Syllabus](#)):

- Primary Industries (120 indicative hours)
- Primary Industries (240 indicative hours)
- Primary Industries Specialisation Study (60 or 120 or 180 or 240 indicative hours).

HSC VET courses are dual accredited. Students can gain credit towards:

- the NSW Higher School Certificate (HSC)
- an AQF VET qualification – eg Certificate III in Agriculture.

As a result of the dual accreditation, HSC VET courses are governed by two sets of rules:

- HSC unit credit requirements determined by:
 - HSC course requirements (detailed in [Section 2 of the Syllabus](#))
 - the requirements for satisfactory course completion – outlined in the Board of Studies [Assessment, Certification and Examination \(ACE\) Manual](#)
- AQF VET qualification requirements specified in:
 - the qualification packaging rules for Certificate III in Agriculture – defined in the AHC10 Training Package (detailed on pp 18–25 of this document)
 - RTO policies.

It is important to note that the rules and structure of HSC VET courses are not identical to the qualification packaging rules.

HSC VET courses can only be delivered by a Registered Training Organisation (RTO) who must:

- deliver the HSC VET course in accordance with Board of Studies' requirements
- meet the requirements of the VET Quality Framework [formerly referred to as the Australian Quality Training Framework (AQTF)]
- meet the Training Package requirements.

The Primary Industries Curriculum Framework and Certificate III in Agriculture

The AHC10 Training Package qualification packaging rules for *Certificate III in Agriculture (AHC30110)* require the achievement of:

- 2 core units of competency
- plus 14 elective units of competency.

(Refer to pp 18–25 of this document for further detail.)

To achieve *Certificate III in Agriculture (AHC30110)* as a part of the HSC, students will generally complete the following HSC VET courses from the Primary Industries Curriculum Framework:

- Primary Industries (240 indicative hours) – 4 HSC credit units
- Primary Industries Specialisation Study (120 indicative hours) – 2 HSC credit units.

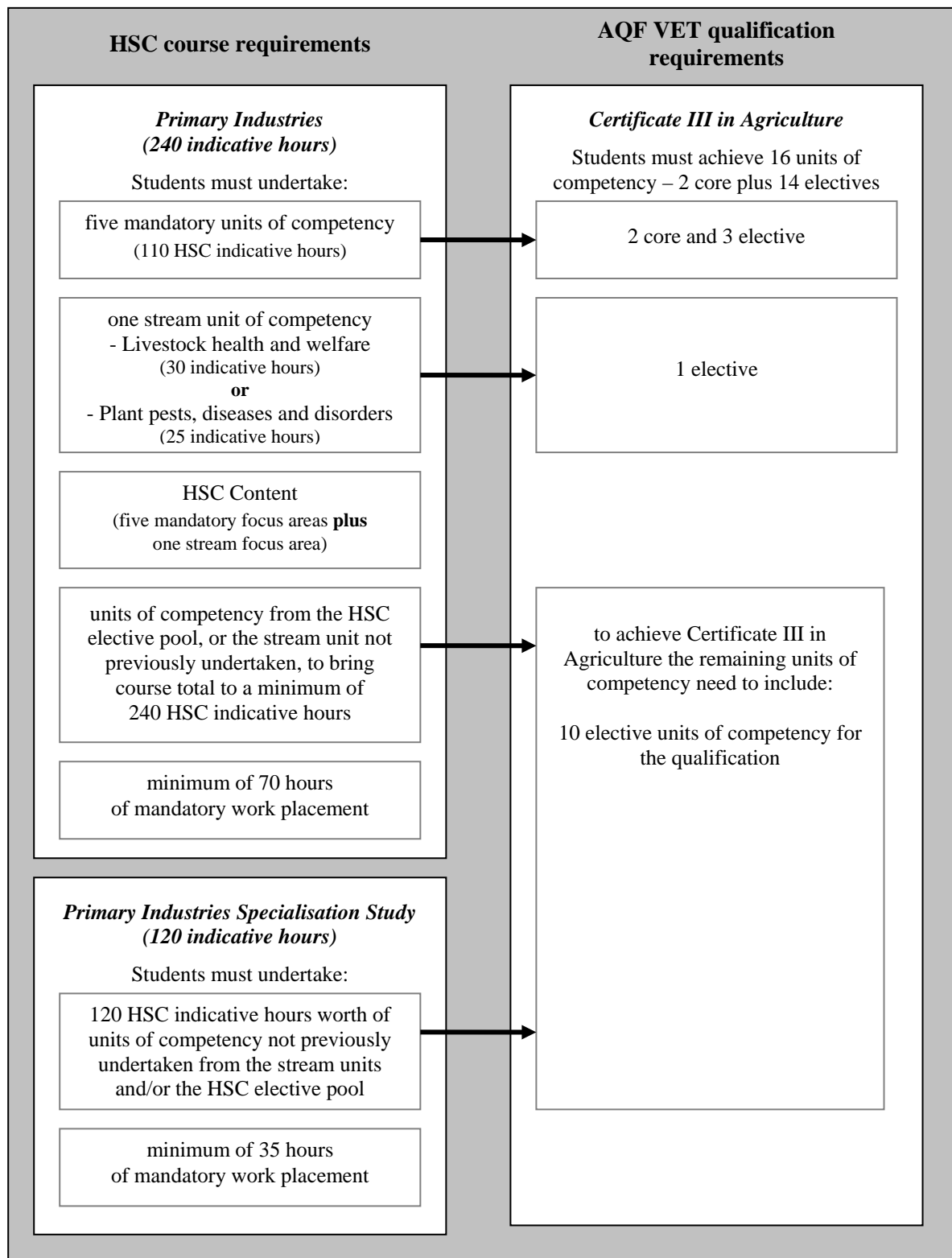
For students who have undertaken a Certificate II qualification as a part of the Primary Industries (240 indicative hours) course, and are undertaking a Certificate III qualification pathway in the Primary Industries Specialisation Study, there are different course requirements. RTOs must refer to the associated document *Pathways from Certificate II to Certificate III in Primary Industries* for further information.

To be eligible for the award of the HSC, students must satisfactorily complete a pattern of study that includes 22 HSC credit units (refer to the [Assessment, Certification and Examination \(ACE\) Manual](#) for further detail).

Students undertaking *Certificate III in Agriculture (AHC30110)* through the Primary Industries (240 indicative hours) course plus the Primary Industries Specialisation Study (120 indicative hours) will be eligible for 6 HSC credit units towards the 22 HSC credit units required for the award of their HSC.

Primary Industries HSC course requirements for Certificate III in Agriculture

Refer to pp 9–17 of this document and [Section 2 of the Syllabus](#) for further detail.



Work placement

Work placement is a mandatory HSC VET course requirement with minimum hours assigned to each HSC VET course. Non-completion of work placement means the student has not met the HSC VET course requirements and cannot count the HSC credit units for the course towards the award of their HSC. They would still be credentialled for the AQF VET qualification outcome.

The minimum work placement requirement for students undertaking *Certificate III in Agriculture (AHC30110)* is:

- Primary Industries (240 indicative hours) – 70 hours
- Primary Industries Specialisation Study (120 indicative hours) – 35 hours.

Work placement is to be undertaken in an appropriate primary industries work environment.

Refer to the [Work Placement in Primary Industries](#) document for industry-specific advice regarding work placement in primary industries.

HSC Content

The HSC Content for this Framework is organised into focus areas. Each focus area prescribes the scope of learning for the HSC. This is drawn from the associated units of competency (outlined in Table 1 on the next page).

Students undertaking the Primary Industries (240 indicative hours) course must address:

- all of the mandatory focus areas:
 - Chemicals
 - Safety
 - Sustainability
 - Weather
 - Working in the industry
- one stream focus area:
 - Livestock health and welfare

or

 - Plant pests, diseases and disorders.

The content description for each focus area is detailed in [Section 3 of the Syllabus](#).

The HSC examination in Primary Industries is based on the HSC Content and employability skills for the Certificate II qualifications in this Framework (refer to [Section 4 of the Syllabus](#)).

Table 1 Focus areas and associated units of competency for Certificate III in Agriculture (AHC30110)

	Associated units of competency	
Focus area	Unit code	Unit title
Mandatory		
Chemicals	AHCCHM303A	Prepare and apply chemicals
Safety	AHCOHS301A	Contribute to OHS processes
Sustainability	AHCWRK313A	Implement and monitor environmentally sustainable work practices
Weather	AHCWRK302A	Monitor weather conditions
Working in the industry	AHCWRK204A	Work effectively in the industry
Stream		
Livestock health and welfare or Plant pests, diseases and disorders	AHCLSK309A AHCPMG302A	Implement animal health control programs Control plant pests, diseases and disorders

HSC examination

The Primary Industries Curriculum Framework includes an HSC examination which provides the opportunity for students to have their HSC mark contribute to the calculation of their Australian Tertiary Admission Rank (ATAR).

Students who have completed the Primary Industries (240 indicative hours) course are eligible to sit for the Primary Industries HSC examination.

Students who want to sit for the Primary Industries HSC examination must be entered for both the Primary Industries course and the Primary Industries examination on *Schools Online (Administration)*.

The Primary Industries HSC examination is based on the HSC Content (refer to [Section 3 of the Syllabus](#)) and employability skills for the Certificate II qualifications (refer to the [Employability Skills in Primary Industries](#) document).

The Primary Industries HSC examination is a written exam independent of the competency-based assessment undertaken during the course and has no impact on student eligibility for *Certificate III in Agriculture (AHC30110)*.

HSC examination specifications

The HSC examination specifications, which describe the format of the Primary Industries HSC examination, are contained in the [Assessment and Reporting in Primary Industries Stage 6](#) document.

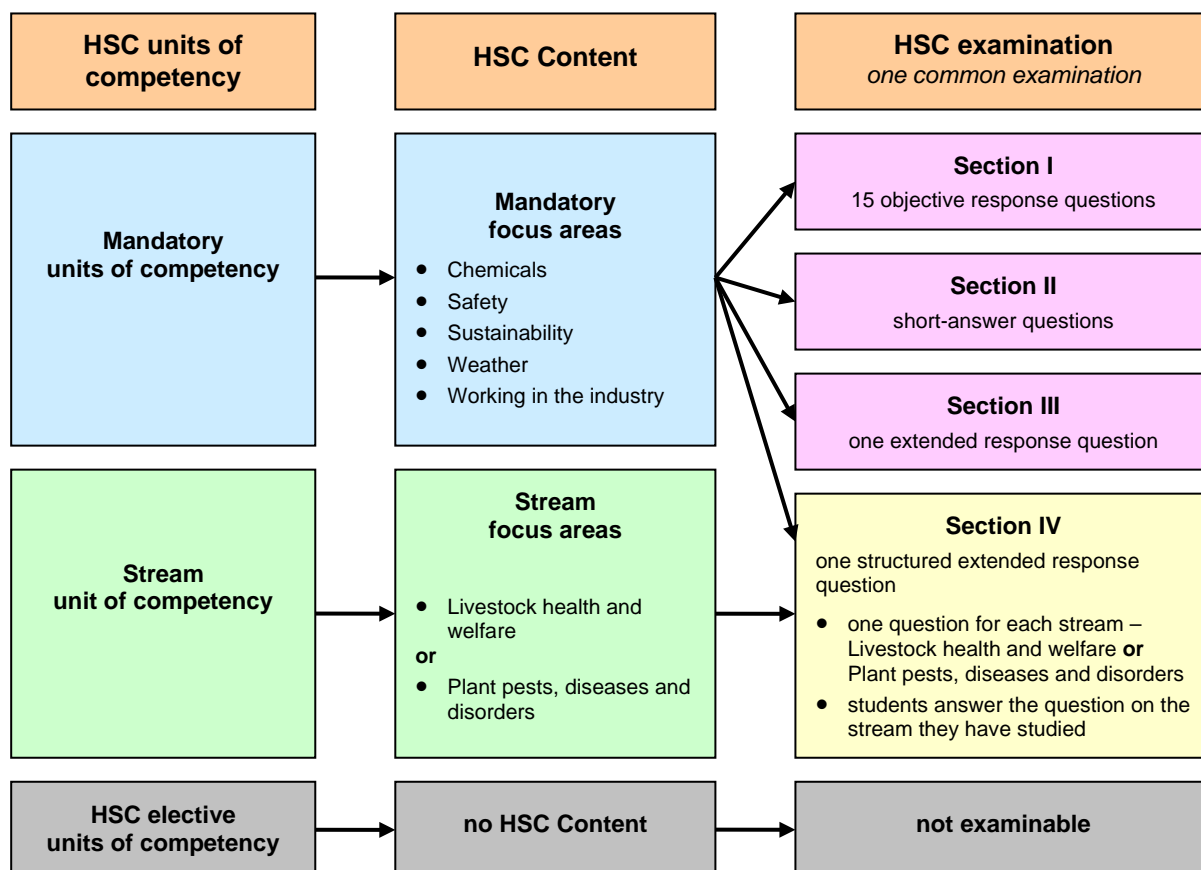
The Primary Industries HSC examination will consist of a 2-hour written paper. The paper will consist of four sections:

- Section I – objective response questions to the value of 15 marks
- Section II – short-answer questions to the value of 35 marks
- Section III – one extended response question to the value of 15 marks
- Section IV – two structured extended response questions (one for each of the stream focus areas: Livestock health and welfare or Plant pests, diseases and disorders) each to the value of 15 marks. Candidates will be required to answer the question on the stream they have studied.

The Primary Industries HSC examination is based on the HSC Content (focus areas) and employability skills for the Certificate II qualifications:

- Sections I, II and III are based on the mandatory focus areas
- Section IV is based on the stream focus areas and can also draw from the mandatory focus areas.

Relationship of the Primary Industries (240 indicative hours) course structure to the Primary Industries HSC examination



Status of units of competency for the Primary Industries HSC courses and Certificate III in Agriculture

To achieve *Certificate III in Agriculture (AHC30110)* the AHC10 Training Package requires students to achieve 16 units of competency:

- 2 core units of competency
- 14 elective units of competency.

To achieve *Certificate III in Agriculture (AHC30110)* as a part of the HSC, students will generally do the following HSC VET courses:

- Primary Industries (240 indicative hours)
- Primary Industries Specialisation Study (120 indicative hours).

To meet HSC course requirements, students completing the Primary Industries (240 indicative hours) course must undertake **five mandatory units of competency** and **one stream unit of competency** plus HSC elective units of competency to bring course total to a minimum of 240 HSC indicative hours.

Students who are also completing the Primary Industries Specialisation Study (120 indicative hours) course must undertake an additional 120 HSC indicative hours of units of competency.

Status in Primary Industries Curriculum Framework	HSC indicative hours	Unit code	Unit title	Certificate III in Agriculture 2 core & 14 electives ▪ min 5 group A electives ▪ min 5 group A &/or B electives ▪ max 4 'other' electives
mandatory	20	AHCCHM303A	Prepare and apply chemicals	elective – group A
mandatory	25	AHCOHS301A	Contribute to OHS processes	core
mandatory	20	AHCWRK302A	Monitor weather conditions	elective – group A
mandatory	20	AHCWRK204A	Work effectively in the industry	other elective
mandatory	25	AHCWRK313A	Implement and monitor environmentally sustainable work practices	core
Livestock health and welfare stream or Plant pests, diseases and disorders stream	30 25	AHCLSK309A AHCPMG302A	Implement animal health control programs Control plant pests, diseases and disorders	elective – group A elective – group A
sub-total HSC indicative hours – mandatory and stream units of competency	135–140			

Primary Industries Curriculum Framework – Certificate III in Agriculture

Students undertaking the Primary Industries (240 indicative hours) plus the Primary Industries Specialisation Study (120 indicative hours) course with the **Livestock health and welfare stream** must undertake an additional **220 HSC indicative hours** of units of competency to meet the HSC course requirements.

Students undertaking the Primary Industries (240 indicative hours) plus the Primary Industries Specialisation Study (120 indicative hours) course with the **Plant pests, diseases and disorders stream** must undertake an additional **225 HSC indicative hours** of units of competency to meet the HSC course requirements.

Regardless of the stream undertaken for *Certificate III in Agriculture (AHC30110)* this must include **10 units of competency** that are elective for the qualification:

- minimum **2 more** electives must come from group A
- minimum **5 more** electives must come from group A and/or B
- with a maximum of **3** ‘other’ electives.

Status in Primary Industries Curriculum Framework	HSC indicative hours	Unit code	Unit title	Certificate III in Agriculture 2 core & 14 electives ▪ min 5 group A electives ▪ min 5 group A &/or B electives ▪ max 4 ‘other’ electives
elective	30	AHCAGB301A	Keep records for a primary production business	elective – group A
elective	10	AHCBIO201A	Inspect and clean machinery for plant, animal and soil material	other elective
elective	15	AHCBIO202A	Follow site quarantine procedures	other elective
elective	15	AHCBAC201A	Assist agricultural crop establishment	other elective
elective	15	AHCBAC202A	Assist agricultural crop maintenance	other elective
elective	15	AHCBAC203A	Assist agricultural crop harvesting	other elective
elective	20	AHCBAC301A	Conserve forage	elective – group A
elective	25	AHCBAC302A	Establish pastures and crops for livestock production	elective – group A
elective	20	AHCBAC305A	Undertake preparation of land for agricultural crop production	elective – group A
elective	25	AHCBAC306A	Establish agricultural crops	elective – group A
elective	20	AHCBAC307A	Maintain agricultural crops	elective – group A
elective	20	AHCBAC308A	Undertake agricultural crop harvesting activities	elective – group A
elective	15	AHCBUS301A	Use hand held e-business tools	elective – group A

Primary Industries Curriculum Framework – Certificate III in Agriculture

Status in Primary Industries Curriculum Framework	HSC indicative hours	Unit code	Unit title	Certificate III in Agriculture 2 core & 14 electives ▪ min 5 group A electives ▪ min 5 group A &/or B electives ▪ max 4 'other' electives
elective	15	AHCCHM304A	Transport, handle and store chemicals	elective – group A
elective	20	AHCDRY201A	Milk livestock	other elective
elective	15	AHCDRG201A	Maintain drainage systems	other elective
elective	30	AHCDRG301A	Install drainage systems	elective – group B
elective	15	AHCFAU201A	Recognise fauna	other elective
elective	15	HLTFA201A	Provide basic emergency life support	other elective
elective	20	HLTFA301B	Apply first aid	elective – group A
elective	20	AHCHBR201A	Monitor horse health and welfare	other elective
elective	25	AHCHBR202A	Handle young horses	other elective
elective	30	AHCHBR203A	Provide daily care for horses	other elective
elective	25	AHCHBR204A	Assist with mating procedures and parturition of horses	other elective
elective	15	AHCHBR302A	Carry out basic hoof care procedures	elective – group B
elective	30	AHCHBR304A	Educate, ride and care for horses and equipment	elective – group B
elective	25	AHCHBR306A	Prevent and treat equine injury and disease	elective – group B
elective	20	AHCHBR307A	Assess suitability of horses for stock work	elective – group B
elective	15	AHCILM201A	Maintain cultural places	other elective
elective	15	AHCILM202A	Observe and report plants and/or animals	other elective
elective	25	AHCILM203A	Record information about country	other elective
elective	30	AHCILM304A	Follow cultural protocols	other elective
elective	15	AHCINF201A	Carry out basic electric fencing operations	other elective
elective	15	AHCINF202A	Install, maintain and repair fencing	other elective
elective	20	AHCINF203A	Maintain properties and structures	other elective

Primary Industries Curriculum Framework – Certificate III in Agriculture

Status in Primary Industries Curriculum Framework	HSC indicative hours	Unit code	Unit title	Certificate III in Agriculture <i>2 core & 14 electives</i> <ul style="list-style-type: none"> ▪ <i>min 5 group A electives</i> ▪ <i>min 5 group A &/or B electives</i> ▪ <i>max 4 'other' electives</i>
elective	25	AHCINF302A	Plan and construct an electric fence	elective – group A
elective	20	AHCINF303A	Plan and construct conventional fencing	elective – group A
elective	20	AHCIRG201A	Assist with the operation of gravity fed irrigation	other elective
elective	20	AHCIRG202A	Assist with the operation of pressurised irrigation	other elective
elective	15	AHCIRG204A	Lay irrigation and/or drainage pipes	other elective
elective	15	AHCIRG206A	Maintain pressurised irrigation systems	other elective
elective	30	AHCIRG302A	Install irrigation systems	other elective
elective	15	AHCIRG305A	Operate pressurised irrigation systems	elective – group A
elective	15	AHCLSC201A	Assist with landscape construction work	other elective
elective	20	AHCLSC202A	Construct low-profile timber or modular retaining walls	other elective
elective	20	AHCLSC203A	Install aggregate paths	other elective
elective	25	AHCLSC204A	Lay paving	other elective
elective	10	AHCLSC205A	Install tree protection devices	other elective
elective	35	AHCLSC301A	Set out site for construction works	other elective
elective	35	AHCLSC304A	Erect timber structures and features	other elective
elective	35	AHCLSC306A	Implement a paving project	other elective
elective	35	AHCLSC307A	Implement a retaining wall project	other elective
elective	15	AHCLSK201A	Assist with feeding in a production system	other elective
elective	15	AHCLSK203A	Carry out birthing duties	other elective
elective	10	AHCLSK204A	Carry out regular livestock observation	other elective
elective	15	AHCLSK205A	Handle livestock using basic techniques	other elective
elective	15	AHCLSK206A	Identify and mark livestock	other elective

Primary Industries Curriculum Framework – Certificate III in Agriculture

Status in Primary Industries Curriculum Framework	HSC indicative hours	Unit code	Unit title	Certificate III in Agriculture 2 core & 14 electives ▪ min 5 group A electives ▪ min 5 group A &/or B electives ▪ max 4 'other' electives
elective	10	AHCLSK207A	Load and unload livestock	other elective
elective	15	AHCLSK208A	Monitor livestock to parturition	other elective
elective	10	AHCLSK209A	Monitor water supplies	other elective
elective	10	AHCLSK210A	Muster and move livestock	other elective
elective	15	AHCLSK211A	Provide feed for livestock	other elective
elective	25	AHCLSK212A	Ride horses to carry out stock work	other elective
elective	15	AHCLSK301A	Administer medication to livestock	elective – group A
elective	15	AHCLSK303A	Carry out feedlot operations	elective – group B
elective	15	AHCLSK305A	Maintain livestock water supplies	elective – group A
elective	20	AHCLSK308A	Identify and draft livestock	elective – group A
elective	20	AHCLSK310A	Implement feeding plans for intensive production	elective – group B
elective	20	AHCLSK311A	Implement feeding plans for livestock	elective – group A
elective	25	AHCLSK312A	Coordinate artificial insemination and fertility management of livestock	elective – group B
elective	20	AHCLSK313A	Monitor livestock production growing environments	elective – group B
elective	20	AHCLSK314A	Prepare animals for parturition	elective – group A
elective	15	AHCLSK316A	Prepare livestock for competition	elective – group B
elective	20	AHCLSK317A	Plan to exhibit livestock	elective – group B
elective	25	AHCLSK318A	Rear newborn and young livestock	elective – group A
elective	15	AHCLSK323A	Maintain and monitor feed stocks	elective – group A
elective	20	AHCLSK324A	Care for and train working dogs	elective – group A
elective	20	AHCLSK329A	Implement procedures for calving	elective – group B

Primary Industries Curriculum Framework – Certificate III in Agriculture

Status in Primary Industries Curriculum Framework	HSC indicative hours	Unit code	Unit title	Certificate III in Agriculture 2 core & 14 electives <ul style="list-style-type: none"> ▪ min 5 group A electives ▪ min 5 group A &/or B electives ▪ max 4 'other' electives
elective	20	AHCLSK331A	Comply with industry animal welfare requirements	elective – group A
elective	15	AHCMOM201A	Operate two wheel motorbikes	other elective
elective	20	AHCMOM202A	Operate tractors	elective – group B
elective	15	AHCMOM203A	Operate basic machinery and equipment	other elective
elective	25	AHCMOM204A	Undertake operational maintenance of machinery	other elective
elective	15	AHCMOM212A	Operate quad bikes	other elective
elective	25	AHCMOM302A	Perform machinery maintenance	elective – group A
elective	20	AHCMOM304A	Operate machinery and equipment	elective – group A
elective	20	AHCMOM305A	Operate specialised machinery and equipment	elective – group A
elective	20	AHCMOM306A	Ground spread fertiliser and soil ameliorant	elective – group A
elective	15	AHCMOM308A	Operate broadacre and row crop harvest machinery and equipment	elective – group A
elective	15	AHCMOM309A	Operate broadacre sowing machinery and equipment	elective – group A
elective	15	AHCMOM311A	Operate precision control technology	elective – group B
elective	15	AHCMOM312A	Operate row crop planting and seeding machinery and equipment	elective – group A
elective	20	SIRXCCS001A	Apply point-of-sale handling procedures	other elective
elective	20	SIRXICT001A	Operate retail technology	other elective
elective	15	SIRXSLS001A	Sell products and services	other elective
elective	25	AHCNAR201A	Carry out natural area restoration works	other elective
elective	20	AHCNAR202A	Maintain wildlife habitat refuges	other elective
elective	20	FPIFGM2201A	Collect seed	other elective
elective	10	AHCNSY201A	Pot up plants	other elective
elective	15	AHCNSY202A	Tend nursery plants	other elective

Primary Industries Curriculum Framework – Certificate III in Agriculture

Status in Primary Industries Curriculum Framework	HSC indicative hours	Unit code	Unit title	Certificate III in Agriculture <i>2 core & 14 electives</i> <ul style="list-style-type: none"> ▪ <i>min 5 group A electives</i> ▪ <i>min 5 group A &/or B electives</i> ▪ <i>max 4 'other' electives</i>
elective	20	AHCNSY203A	Undertake propagation activities	other elective
elective	15	AHCNSY204A	Maintain indoor plants	other elective
elective	25	AHCNSY301A	Maintain nursery plants	other elective
elective	15	AHCNSY302A	Receive and dispatch nursery products	other elective
elective	25	AHCNSY303A	Install and maintain plant displays	other elective
elective	15	AHCPGD201A	Plant trees and shrubs	other elective
elective	15	AHCPGD202A	Prepare and maintain plant displays	other elective
elective	15	AHCPGD203A	Prune shrubs and small trees	other elective
elective	15	AHCPGD204A	Transplant small trees	other elective
elective	15	AHCPGD206A	Conduct visual inspection of park facilities	other elective
elective	10	AHCPMG201A	Treat weeds	other elective
elective	25	AHCPMG301A	Control weeds	elective – group A
elective	20	AHCPCM201A	Recognise plants	other elective
elective	15	AHCPCM202A	Collect, prepare and preserve plant specimens	other elective
elective	25	AHCPCM301A	Implement a plant nutrition program	elective – group B
elective	20	AHCPHT201A	Plant horticultural crops	other elective
elective	20	AHCPHT203A	Support horticultural crop harvesting	other elective
elective	20	AHCPHT205A	Carry out postharvest operations	other elective
elective	20	AHCSHG201A	Crutch sheep	other elective
elective	15	AHCSHG202A	Assist in preparing for shearing and crutching	other elective
elective	40	AHCSHG203A	Shear sheep to novice level	other elective
elective	40	AHCSHG204A	Shear sheep to improver level	other elective

Primary Industries Curriculum Framework – Certificate III in Agriculture

Status in Primary Industries Curriculum Framework	HSC indicative hours	Unit code	Unit title	Certificate III in Agriculture <i>2 core & 14 electives</i> <ul style="list-style-type: none"> ▪ <i>min 5 group A electives</i> ▪ <i>min 5 group A &/or B electives</i> ▪ <i>max 4 'other' electives</i>
elective	10	AHCSHG205A	Grind combs and cutters for machine shearing	other elective
elective	10	AHCSHG206A	Prepare handpiece and downtube for machine shearing	other elective
elective	15	AHCSOL201A	Determine basic properties of soil and/or growing media	other elective
elective	20	AHCSOL301A	Prepare growing media	other elective
elective	20	AHCSOL401A	Sample soils and interpret results	elective – group B
elective	15	AHCSAW201A	Conduct erosion and sediment control activities	other elective
elective	20	AHCTRF201A	Assist with turf construction	other elective
elective	25	AHCTRF202A	Prepare turf surfaces for play	other elective
elective	20	AHCTRF203A	Renovate grassed areas	other elective
elective	30	AHCTRF204A	Support turf establishment	other elective
elective	45	AHCTRF301A	Construct turf playing surfaces	other elective
elective	30	AHCTRF302A	Establish turf	other elective
elective	25	AHCTRF303A	Implement a grassed area maintenance program	other elective
elective	25	AHCTRF304A	Monitor turf health	other elective
elective	25	AHCTRF305A	Renovate sports turf	other elective
elective	15	AHCWOL201A	Pen sheep	other elective
elective	20	AHCWOL202A	Perform board duties	other elective
elective	15	AHCWOL203A	Carry out wool pressing	other elective
elective	15	AHCWRK202A	Observe environmental work practices	other elective
elective	10	AHCWRK205A	Participate in workplace communications	other elective
elective	15	AHCWRK206A	Observe enterprise quality assurance procedures	other elective
elective	10	AHCWRK207A	Collect and record production data	other elective

Primary Industries Curriculum Framework – Certificate III in Agriculture

Status in Primary Industries Curriculum Framework	HSC indicative hours	Unit code	Unit title	Certificate III in Agriculture 2 core & 14 electives ▪ min 5 group A electives ▪ min 5 group A &/or B electives ▪ max 4 'other' electives
elective	15	AHCWRK208A	Provide information on products and services	other elective
elective	20	AHCWRK303A	Respond to emergencies	elective – group A
elective	20	AHCWRK305A	Coordinate work site activities	elective – group A
elective	20	AHCWRK306A	Comply with industry quality assurance requirements	elective – group A
elective	10	TLID107C	Shift materials safely using manual handling methods	other elective
elective	20	CPPDSM4068A	Prepare livestock for sale at saleyards	other elective

Minimum requirements for Certificate III in Agriculture (AHC30110)

The following pages outline the qualification packaging rules for the AQF VET qualification AHC30110. This information is reproduced directly from the *Agriculture, Horticulture and Conservation and Land Management Training Package (AHC10)*. It is included so that the minimum requirements for achieving the industry qualification are clear. Students who meet these requirements will be eligible for the relevant AQF VET Certificate, whether or not they have met the additional requirements of the HSC course.

A Statement of Attainment will be issued for achievement of single or multiple units of competency. At a later date, a person can undertake further skill development or training and be assessed against additional competencies until they have achieved all the competencies required for an AQF VET qualification. RTOs must recognise and give credit for the competencies recorded on a Statement of Attainment.

Please note: Only the shaded units of competency are available in the Primary Industries Curriculum Framework. HSC course requirements are outlined in [Section 2 of the Syllabus](#).

AHC30110 Certificate III in Agriculture

Modification history

October 2011: the elective bank groupings in AHC30110 were modified to provide greater flexibility.

Description

This qualification provides a general vocational outcome in agriculture. The qualification enables individuals to select a livestock production or cropping context as a job focus or, in the case of mixed farming enterprises, both.

Pathways information

Qualification pathways

Pathways into the qualification

This qualification may be accessed by direct entry.

Pathways from the qualification

Further training pathways from this qualification include, but are not limited to, AHC40110 Certificate IV in Agriculture.

Australian Apprenticeships

This qualification is suitable for an Australian Apprenticeship.

Job roles

Job roles and titles vary across different industry sectors. Possible job titles relevant to this qualification include:

- farm or station hand
- farm or station worker.

Licensing/regulatory information

There is no direct link between this qualification and licensing, legislative and/or regulatory requirements. However, an individual unit of competency may specify relevant licensing, legislative and/or regulatory requirements.

Entry requirements

There are no entry requirements for this qualification.

Packaging rules

Completion of sixteen (16) units made up of two (2) core units and fourteen (14) elective units.

Elective units

- a minimum of five (5) units must come from elective group A
- a minimum of five (5) units must come from elective groups A or B
- a maximum of four (4) units may be selected from units aligned to Certificates II, III or IV in AHC10 or from any other currently endorsed Training Package or accredited course. Selected units must be relevant to job outcomes in agriculture.

Core units

Occupational health and safety

AHCOHS301A	Contribute to OHS processes
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Work

AHCWRK313A	Implement and monitor environmentally sustainable work practices
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Elective Group A

Agribusiness

AHCAGB301A	Keep records for a primary production business
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Biosecurity

AHCBIO301A	Work effectively in an emergency disease or plant pest response
AHCBIO302A	Identify and report unusual disease or plant pest signs
AHCBIO303A	Carry out emergency disease or plant pest control procedures at infected premises
AHCBIO304A	Carry out movement and security procedures
AHCBIO305A	Monitor and review biosecurity measures

Broadacre cropping

AHCBAC301A	Conserve forage
AHCBAC302A	Establish pastures and crops for livestock production
AHCBAC303A	Prepare to receive grains/seeds
AHCBAC304A	Test grains/seeds on receipt
AHCBAC305A	Undertake preparation of land for agricultural crop production
AHCBAC306A	Establish agricultural crops
AHCBAC307A	Maintain agricultural crops
AHCBAC308A	Undertake agricultural crop harvesting activities

Business

AHCBUS301A	Use hand held e-business tools
BSBFIA301A	Maintain financial records
BSBINM201A	Process and maintain workplace information
BSBITU203A	Communicate electronically
BSBITU306A	Design and produce business documents
BSBWOR204A	Use business technology

Chemicals

AHCCHM301A	Conduct fumigation in enclosed spaces
AHCCHM302A	Fumigate soil using chemicals
AHCCHM303A	Prepare and apply chemicals
AHCCHM304A	Transport, handle and store chemicals
AHCCHM305A	Conduct manual fumigation of vertebrate and invertebrate pests

First aid

HLTFA301B	Apply first aid
HLTFA302A	Provide first aid in remote situation

Infrastructure

AHCINF301A	Implement property improvement, construction and repair
AHCINF302A	Plan and construct an electric fence
AHCINF303A	Plan and construct conventional fencing

Irrigation

AHCIRG301A	Implement a maintenance program for an irrigation system
AHCIRG304A	Operate gravity fed irrigation systems
AHCIRG305A	Operate pressurised irrigation systems
AHCIRG306A	Troubleshoot irrigation systems

Livestock

AHCLSK301A	Administer medication to livestock
AHCLSK305A	Maintain livestock water supplies
AHCLSK308A	Identify and draft livestock
AHCLSK309A	Implement animal health control programs
AHCLSK311A	Implement feeding plans for livestock
AHCLSK314A	Prepare animals for parturition
AHCLSK318A	Rear newborn and young livestock
AHCLSK323A	Maintain and monitor feed stocks
AHCLSK324A	Care for and train working dogs
AHCLSK325A	Castrate livestock
AHCLSK331A	Comply with industry animal welfare requirements

Machinery operation and maintenance

AHCMOM301A	Coordinate machinery and equipment maintenance and repair
AHCMOM302A	Perform machinery maintenance
AHCMOM304A	Operate machinery and equipment
AHCMOM305A	Operate specialised machinery and equipment
AHCMOM306A	Ground spread fertiliser and soil ameliorant
AHCMOM308A	Operate broadacre and row crop harvest machinery and equipment
AHCMOM309A	Operate broadacre sowing machinery and equipment
AHCMOM312A	Operate row crop planting and seeding machinery and equipment

Merchandising and sales

AHCMER301A	Process customer complaints
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Pest management

AHCPMG301A	Control weeds
AHCPMG302A	Control plant pests, diseases and disorders

Work

AHCWRK301A	Collect samples for a rural production or horticulture monitoring program
AHCWRK302A	Monitor weather conditions
AHCWRK303A	Respond to emergencies
AHCWRK305A	Coordinate work site activities
AHCWRK306A	Comply with industry quality assurance requirements
AHCWRK308A	Handle bulk materials in storage area
AHCWRK311A	Conduct site inspections

Elective Group B

Artificial insemination

AHCAIS301A	Collect semen
AHCAIS302A	Process and store semen
AHCAIS303A	Artificially inseminate livestock

Drainage

AHCDRG301A	Install drainage systems
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Fire

PRMPFES05B	Use portable fire fighting equipment
PUAFIR204B	Respond to wildfire

Horse breeding

AHCHBR302A	Carry out basic hoof care procedures
AHCHBR303A	Carry out mare mating or artificial insemination procedures
AHCHBR304A	Educate, ride and care for horses and equipment
AHCHBR305A	Handle and care for stallions

AHCHBR306A	Prevent and treat equine injury and disease
AHCHBR307A	Assess suitability of horses for stock work
Hydroponics	
AHCHYD301A	Implement a maintenance program for hydroponic systems
AHCHYD302A	Install hydroponic systems
Livestock	
AHCLSK302A	Mate and monitor reproduction of alpacas
AHCLSK303A	Carry out feedlot operations
AHCLSK304A	Carry out post-mortem examination of livestock
AHCLSK306A	Coordinate and monitor production performance
AHCLSK307A	Euthanase livestock
AHCLSK310A	Implement feeding plans for intensive production
AHCLSK312A	Coordinate artificial insemination and fertility management of livestock
AHCLSK313A	Monitor livestock production growing environments
AHCLSK315A	Prepare for and implement natural mating of livestock
AHCLSK316A	Prepare livestock for competition
AHCLSK317A	Plan to exhibit livestock
AHCLSK319A	Slaughter livestock
AHCLSK320A	Coordinate and monitor livestock transport
AHCLSK321A	Service and repair bores and windmills
AHCLSK322A	Transport farm produce or bulk materials
AHCLSK326A	Mix and mill standard stockfeed
AHCLSK327A	Collect, store and administer colostrum
AHCLSK328A	Remove and facilitate reuse of effluent and manure from an intensive production system
AHCLSK329A	Implement procedures for calving
AHCLSK330A	Implement procedures for foaling down mares
AHCLSK332A	Monitor animals in intensive production systems
AHCLSK333A	Monitor pen condition and ration suitability
Machinery operation and maintenance	
AHCMOM202A	Operate tractors
AHCMOM206A	Conduct grader operations
AHCMOM207A	Conduct front-end loader operations
AHCMOM307A	Operate a cane harvester
AHCMOM310A	Operate land-forming machinery and equipment
AHCMOM311A	Operate precision control technology
AHCMOM313A	Operate mobile irrigation machinery and equipment
AHCMOM314A	Transport machinery

AHCMOM315A	Operate chemical application machinery and equipment
RIIMPO318A	Conduct skid steer loader operations
RIIMPO319A	Conduct backhoe/loader operations
RIIMPO324A	Conduct civil construction grader operations
TLID1007C	Operate a forklift
TLILIC108A	Licence to operate a forklift truck

Plants

AHCPCM301A	Implement a plant nutrition program
AHCPCM302A	Provide information on plants and their culture
AHCPCM303A	Identify plant specimens
AHCPGD402A	Plan a plant establishment program

Production horticulture

AHCPHT301A	Carry out a crop regulation program
AHCPHT302A	Coordinate horticultural crop harvesting
AHCPHT303A	Implement a post-harvest program
AHCPHT304A	Harvest horticultural crops mechanically
AHCPHT305A	Regulate crops
AHCPHT306A	Establish horticultural crops

Shearing

AHCSHG301A	Prepare livestock for shearing
AHCSHG302A	Prepare combs and cutters for machine shearing
AHCSHG306A	Carry out post-shearing procedures
AHCSHG307A	Plan and prepare for alpaca shearing

Soils and media

AHCSOL401A	Sample soils and interpret results
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Tools and equipment

AHCTEQ301A	Install and terminate extra low voltage wiring systems
MEM05004C	Perform routine oxy acetylene welding
MEM05007C	Perform manual heating and thermal cutting
MEM05012C	Perform routine manual metal arc welding
MEM05015D	Weld using manual metal arc welding process
MEM05017D	Weld using gas metal arc welding process
MEM05019D	Weld using gas tungsten arc welding process

Vertebrate pests

AHCVPT302A	Implement vertebrate pest control program
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Wool

AHCWOL304A	Prepare fleece wool for classing
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AHCWOL308A	Prepare facilities for shearing and crutching
AHCWOL310A	Press wool for a clip
AHCWOL311A	Perform shed duties
AHCWOL312A	Class goat fibre
AHCWOL313A	Class alpaca fleece

Employability skills summary

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • Listening and understanding • Speaking clearly and directly • Reading and interpreting workplace related documentation • Applying numeracy skills to workplace requirements
Teamwork	<ul style="list-style-type: none"> • Working as an individual and a team member • Working with diverse individuals and groups • Applying knowledge of own role as a part of a team
Problem-solving	<ul style="list-style-type: none"> • Developing practical and creative solutions to workplace problems • Showing interdependence and initiative in identifying problems • Solving problems individually or in teams
Initiative and enterprise	<ul style="list-style-type: none"> • Adapting to new situations • Being creative in response to workplace challenges • Identifying opportunities that might not be obvious to others
Planning and organising	<ul style="list-style-type: none"> • Collecting, analysing and organising information • Being appropriately resourceful
Self-management	<ul style="list-style-type: none"> • Monitoring and evaluating own performance • Taking responsibility at the appropriate level
Learning	<ul style="list-style-type: none"> • Being open to learning new ideas and techniques • Learning in a range of settings including informal learning
Technology	<ul style="list-style-type: none"> • Using technology and related workplace equipment • Using basic technology skills • Applying OHS knowledge when using technology