

New Zealand Certificate in Agriculture (Farming Systems) (Level 3)

MOE Code	NZ2220	Level	3	Duration	26 weeks	Version	1
Delivery	Full-time, Intramural.				Intakes	Semester 1	
Strategic purpose	To provide the pastoral farming sector with graduates who have a broad theoretical understanding of New Zealand pastoral farming systems and practical capability in the pastoral farming sector.						
Graduate profile	Graduates of this qualification will be able to apply theoretical knowledge of key farming inputs to pastoral farming systems; assist with key livestock production tasks in a pastoral farming context; utilise technology within pastoral farming systems; assess and minimise risk to self, others and equipment; and apply theoretical knowledge of sustainable practices to pastoral farming systems.						
Education pathway	This qualification may build on the New Zealand Certificate in Primary Industry Skills (Level 2) [Ref: 2218] or the National Certificate of Educational Achievement (Level 2) with Vocational Pathways in Primary Industries endorsement. This qualification may lead on to the New Zealand Certificate in Agriculture (Level 4) with strands in Arable Farming, Dairy Farming, and Livestock Farming [Ref: 2212].						
Employment pathway	Graduates of this qualification may be employed in a range of roles in pastoral farming enterprises requiring limited supervision, for example milk harvester, shepherd, dairy farm assistant or general farm hand.						
Award(s)	New Zealand Certificate in Agriculture (Farming Systems) (Level 3)						
Completion requirements	85 credits, as listed in Programme Structure. <i>This programme has been accredited by NZQA. As it does not contain unit standards from the NZQF, credits are not reported to NZQA</i>						
Entry requirements	Refer to Generic Entry Requirements listed on Page 29.						
Credit recognition	Credit from Recognition of Prior Learning, Credit Transfer and Unit Standard Transfer (if applicable) will be in accordance with the policy <i>Credit Recognition (05.004)</i> .						
Time limit for completion	2 years from initial enrolment						
Programme structure							
Code	Title				Credits		Level
Compulsory courses							
3497.0001	Soil and Plant Nutrition				15		3
3497.0002	Livestock Biology				15		3
3497.0003	Livestock Handling				15		3
3497.0004	Livestock Health and Welfare				15		3
3497.0005	Sustainable Farming Systems and Technologies				15		3
3497.0006	Safe Work Practices				10		3
Course prescriptors							
Title		Code		Credits		Level	
Soil and Plant Nutrition		3497.0001		15		3	
Aim: To enable students to gain knowledge of soils, and pasture plants and production.							
Livestock Biology		3497.0002		15		3	
Aim: To enable students to gain knowledge of livestock husbandry.							
Livestock Handling		3497.0003		15		3	
Aim: To enable students to gain knowledge and skills for livestock handling and production							
Livestock Health and Welfare		3497.0004		15		3	
Aim: To enable students to gain knowledge and skills for livestock maintenance and monitoring							
Sustainable Farming Systems and Technologies		3497.0005		15		3	
Aim: To enable students to gain knowledge and skills to apply sustainable farming practices, innovations and technologies							
Safe Work Practices		3497.0006		15		3	
Aim: To enable students to gain knowledge and skills to assess and minimise risk to self, others, and equipment							

New Zealand Certificate in Agriculture (Vehicles, Machinery and Infrastructure) (Level 3)

MOE Code	NZ2215	Level	3	Duration	15 weeks (full-time)	Version	1	
Delivery	Full-time, Intramural.						Intakes	Semester 1
Strategic purpose	To provide rural workplaces with individuals who have the ability to safely carry out a range of activities for the efficient operation of a rural workplace, including the use and maintenance of workplace vehicles, machinery, and infrastructure.							
Graduate profile	Graduates of the qualification will be able: <ul style="list-style-type: none"> identify and assist with the management of workplace hazards carry out a range of activities related to the use and/or maintenance of workplace vehicles, machinery and infrastructure. 							
Education pathway	This qualification may build on the National Certificate of Educational Achievement (Level 2) with Primary Industry Vocational Pathway endorsement and may lead on to the New Zealand Certificate in Agriculture (Level 4) with strands in Arable Farming, Dairy Farming, and Livestock Farming [Ref: 2212]. Graduates may also wish to undertake one or more of the other level three qualifications appropriate to a specific agriculture sector.							
Employment pathway	Graduates of this qualification are likely to be employed as a general hand, junior shepherd, farm assistant, or in other similar roles in rural based workplaces.							
Award(s)	New Zealand Certificate in Agriculture (Vehicles, Machinery and Infrastructure) (Level 3)							
Completion requirements	45 credits, as listed in Programme Structure. <i>This programme has been accredited by NZQA. This programme is partially assessed against NZQF standards and credits gained for the standards will be reported to NZQA.</i>							
Credit recognition	Credit from Recognition of Prior Learning, Credit Transfer and Unit Standard Transfer (if applicable) will be in accordance with the policy <i>Credit Recognition (05.004)</i> .							
Entry requirements	Refer to Generic Entry Requirements on Page 29.							
Time limit for completion	2 academic years from initial enrolment							

Programme structure

Note: Unit standards listed in this programme are correct at the time of publication, but may be subject to change as required by NZQA.

Code	Title	Credits	Level
Compulsory courses			
3486.0001	Operate an agricultural vehicle	25	3
3486.0002	Machinery	10	3
3486.0003	Infrastructure	10	3

Course prescriptors

Title	Code	Credits	Level
Operate an Agricultural Vehicle	3486.0001	25	3

Aim: To enable students to operate and maintain an agricultural vehicle following health and safety requirements.

Note: Students must complete at least one of the unit standards listed appropriate to the vehicle type selected and all required pre-requisites:

Quad bikes:

Code	Title	Pre-requisite/s	Credits	Level
24561	Ride a quad bike with trailed equipment	24557, 24554	4	3
24563	Ride a quad bike with mounted equipment or a load	24557, 24554	3	3
24559	Ride a quad bike on hilly terrain	24557, 24554	4	3

Tractors:

Code	Title	Pre-requisite/s	Credits	Level
24538	Demonstrate knowledge of tractor stability and the dynamics of tractors and attached implements	-	4	3
27604	Drive a tractor with an attached implement on hilly terrain	19044, 24538, 24552	4	3

LUVs:

Code	Title	Pre-requisite/s	Credits	Level
24560	Drive a light utility vehicle (LUV) with trailed equipment	24556, 24553	3	3
24562	Drive a light utility vehicle (LUV) with mounted equipment or a load	24556, 24553	3	3
24558	Drive a light utility vehicle (LUV) on hilly terrain	24556, 24553	4	3

Motorcycles:

Code	Title	Pre-requisite/s	Credits	Level
19054	Ride a motorcycle on hilly terrain	24555, 19053	3	3

Work experience: 130 hours

Machinery	3486.0002	10	3
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Aim: To enable students to operate and maintain agricultural machinery following health and safety requirements.

Work experience: 40 hours

Infrastructure	3486.0003	10	3
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Aim: To enable students to operate and maintain agricultural infrastructure following health and safety requirements.

Work experience: 40 hours