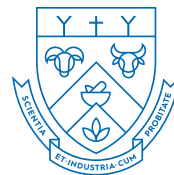


Lincoln University  
**Areas of Specialisation**



**LINCOLN**  
UNIVERSITY  
TE WHARE WĀNAKA O AORAKI

# Agriculture, Horticulture & Viticulture



# Things grow when the conditions are right.

It's true for industry, agriculture and it's most certainly true for people. At Lincoln University, helping you grow is what we are all about.

And we encourage you to do it your way, with diverse learning that fits your ambitions in an environment that allows you to flourish.

We partner you with industry to prepare you for the real world and to plant the seeds of a rewarding future.

So when the time comes, you're ready to go out there and grow the future for yourself and others.

Welcome to Lincoln University.  
A place to grow.



## Welcome

### Lincoln University is proud to help grow your future.

As the longest running agriculturally based university in the Southern Hemisphere, Lincoln's story begins with farming but it certainly doesn't end there. As New Zealand's economy has diversified so have we. What we are interested in growing is people.

Now more than ever, we are enabling our students to grow to meet urgent industry demands in areas such as food, fibre, sustainability, agribusiness and more.

At Lincoln, we offer great learning and growth through powerful applied research, deep industry collaborations, global connections and world-class learning environments and teaching.

As a Lincoln graduate you'll arrive at your career globally connected, forward thinking and ready to shape tomorrow.

Lincoln is a safe haven that will offer you a wealth of opportunities to develop leading-edge skills here and in the real world. Just as importantly, you will become part of a thriving and inclusive student community, forging friendships that will last a lifetime.

We truly look forward to helping you grow.

\*pending approval

## Contents

Lincoln and the Canterbury region	02
Why Lincoln University?	03
Lincoln at a glance	04
<b>Areas of specialisation &amp; qualifications</b>	<b>05</b>
Lincoln University's areas of specialisation	06
Agriculture, Horticulture & Viticulture	07
Diploma in Agriculture and	
Diploma in Farm Management	08
Diploma in Horticultural Business	10
Diploma in Horticulture and	
Diploma in Horticultural Management	12
Bachelor of Agriculture	14
Bachelor of Agricultural Science	16
Bachelor of Commerce	
(Agriculture and Professional Accounting)	18
Bachelor of Commerce (Agriculture)	20
Bachelor of Commerce (Horticulture)	22
Bachelor of Viticulture and Oenology	24
Bachelor of Agribusiness and Food Marketing	26
Bachelor of Land and Property Management	28
Bachelor of Science (Animal Science major)	30
Bachelor of Science	
(Plant and Horticultural Sciences major)*	32
Additional majors	34
Choose an additional major	36
Certificate and Diploma in University Studies	37
<b>Careers</b>	<b>38</b>
<b>Growing careers</b>	<b>44</b>
A student journey	45
Graduate pathways	46
<b>Practical information</b>	<b>48</b>
Practical work	49
Key dates and Events	50
Apply and enrol	52
Contacts	53

# Lincoln and the Canterbury region

## Welcome to Canterbury

Our campus is located in the Lincoln township, a thriving village on the Canterbury plains.

Lincoln is small and very friendly. It boasts local pubs, great cafés and eateries, shops and even its own farmers and craft market.

Twenty minutes away is Ōtautahi Christchurch, which is transforming itself into one of the world's most sustainable cities. Its rapidly evolving culture and energy makes it ideal for students.

And no more than a couple of hours from Ōtautahi Christchurch, Canterbury offers a huge range of exciting recreational options in areas of incredible natural beauty – you can bungee jump, hike, mountain bike, raft, surf, swim, play golf, shop, visit wineries and gardens, and so much more.



## Choosing Lincoln University

At Lincoln, we've got a solid reputation for offering the finest, most industry-relevant learning programmes. And we'd like to make you a part of that.

As New Zealand's leading land-based university, our specialised subject areas are all about harnessing the value of the land to help make the world a better place.

We've got strong industry ties to ensure that your learning lines up with what businesses need. Loads of our students gain work experience while they study, picking up real skills for the real world. You can't put a price on that.

We're the smallest university in New Zealand, which means a more personal learning environment, extra face time with lecturers and a friendly, village atmosphere.

## Māori and Pasifika

Lincoln University is a great place for Māori and Pasifika students to gain an excellent qualification in a fun, friendly and supportive environment.

We offer a values based programme of manaaki (support) for Māori students called Manaaki Taura that offers academic support, internships and practical work opportunities.

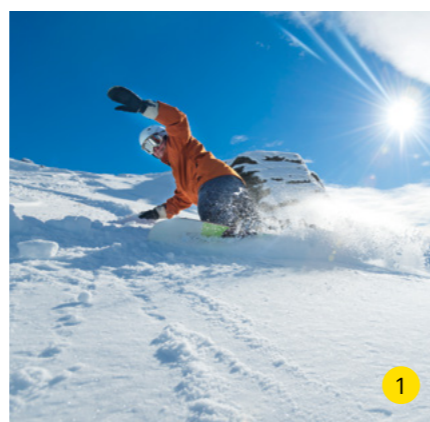
We're also committed to helping to develop the next generation of Māori and Pasifika leaders by offering industry-relevant, career-orientated programmes with support from Te Manutaki - the Māori and Pasifika Team.

## International students

Our students hail from around 80 different countries throughout the world. This makes Lincoln University a truly global network and a diverse, exciting place to be.

We hope you will join us soon.

- 1 Skiing at a local skifield only an hour and half's drive from Ōtautahi Christchurch.
- 2 Local kapa haka group.
- 3 Recreational biking on Banks Peninsula.



Photos: ChristchurchNZ

# Why Lincoln University?

**At Lincoln University, we love our green and vibrant village full of like-minded people. There's always something to get involved in and the vibe is super friendly. Here are just a few of the things available to you as a Lincoln student.**

## Join the club.

Looking for great ways to meet new people, broaden your horizons and have some fun? Join a club. The Lincoln University Students' Association (LUSA) and the Whare Hākinakina LU Gym oversee all of our clubs and organisations. We can fill you in on what's out there or even help you set up your own club.

## Help is here.

Every student needs a little help now and then. That's why we have support services for every area of student life. And they're there for you whenever you need them. Whether it's budgeting advice, help with a physical or mental health problem or you just want someone friendly to talk to, we're on your side.

## LUSA. They're for you.

The good people at the Lincoln University Students' Association are all about making student life the best it can be. Independent from the university, they offer impartial advice and look after your student rights. LUSA is committed to the Treaty of Waitangi and they help represent our Māori students at Lincoln. They also organise awesome and affordable events.

Follow us and keep up to date



## Bridging the gap.

Urban meets rural at Lincoln, with students arriving from bustling cities, remote country farms and everywhere in between. They all find their place at New Zealand's top land-based university and they tend to leave as lifelong friends.

## Read it in RAM.

RAM is our infamous, entertaining and essential Lincoln student magazine. It's your monthly fix of satire, legend, inside word and even the occasional serious and factual article. Don't miss it.

## Great care for little ones.

Our philosophy of helping people to grow also extends to our fantastic childcare centres. We create an environment that promotes wonder and play as central to learning. Children of all cultures love it, which makes it much easier for their parents to concentrate on studying.

## Stellar coffee.

Where there are university students, there are also great cafés. And in our case, they're well worth a visit or two. If you're after a coffee to get your brain going, head to our fantastic student space, Grounded (which includes an awesome espresso bar), or our central café, Mrs O's.




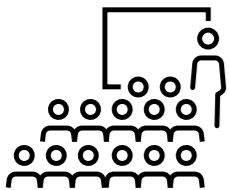







## This way up.

Need a bit of pointing in the right direction? There are plenty of people on campus to talk to about career and employment advice. If you want to discuss job possibilities or need to find a part-time gig while you study, we're here and ready to help.

- 1 The Grounded student space is a great place to catch-up.
- 2 Students enjoying themselves at the end-of-year Garden Party.
- 3 The Lincoln Tramping and Climbing club, one of over 30 clubs and societies at Lincoln.



# Lincoln at a glance

<p><b>Major</b> links and collaborations with industry, iwi and research centres</p> 	<p><b>15th</b> rated for small universities in the world</p> 	<p><b>84%</b> graduate employment rate, the highest in NZ</p> 
<p><b>13.3:1</b> student to staff ratio</p> 	<p><b>Genuine</b> student staff interaction</p> 	<p><b>3,483</b> undergraduate &amp; postgraduate students</p> 
<p>Attracts <b>urban &amp; rural</b> students</p> 	<p><b>Higher</b> percentage of graduates compared to national average</p> 	<p><b>3rd</b> oldest University in New Zealand</p> 
<p><b>9</b> farms</p> 	<p><b>17</b> research centres</p> 	

# Areas of specialisation & qualifications

# Lincoln University's areas of specialisation

Our nine areas of specialisation are designed to help you tailor your learning to your ambitions.

Each area contains a range of practical study programmes that you can mix and match to gain the breadth of knowledge and expertise needed for success in your chosen field.

## Lincoln University areas of specialisation

Agriculture, Horticulture and Viticulture

Business

Environment

Food, Wine and Beer

Landscape Architecture

Property and Valuation

Science

Sport and Recreation

Tourism



## The purpose of this booklet

Our agriculture, horticulture and viticulture programmes will prepare you to play a part in meeting the major demand for university graduates in some of the world's most enduring professions.

This booklet outlines the qualifications within the specialisation and explores potential career outcomes, as well as providing valuable information on how to get where you want to be.

We cover pathways our graduates have taken, offer insights into the journeys of some of our current students, and throw some real-world facts into the mix.

Ultimately, this book will assist you in making the right choice to grow your future.



To see the full range of qualifications on offer, visit: [www.lincoln.ac.nz](http://www.lincoln.ac.nz)

# Agriculture, Horticulture & Viticulture

Primary production is the foundation of our national economy and that is truer now than ever. Demand for university graduates well exceeds supply and our students are sought-after across all areas of the sector.

As New Zealand's leading agricultural university, we have a long history of supporting the land-based industries to increase their productivity and sustainability.

This trend is set to continue, with a 70 percent increase in global food production required by 2050 to feed an additional three billion people worldwide.

Thousands of extra jobs will open up, with skyrocketing international demand for New Zealand exports such as meat, milk, fruit and vegetables, and wool.

There's never been a better time to enter the industry.

Our agriculture and horticulture programmes cover a wide range

of disciplines, including biology, chemistry, and plant, animal and soil science, as well as management skills. The practical experiences we offer set us apart from other universities and prepare you to make an immediate difference to the industry.

Employment opportunities are wide-ranging, from farm and horticultural consultancy to rural banking and valuation careers, agribusiness roles, and working for the fertiliser, seed and livestock industries.

We also lead the way in viticulture, having established the first tertiary-level cool climate wine production programme in the English-speaking world. Our Centre for Viticulture and Oenology is a top research organisation designed to help increase the economic value of the New Zealand wine industry.

Many of our viticulture graduates are working in leading winemaking regions all over the globe, from Auckland to Wanaka, from Asia to the United States of America.



## Qualifications

Diploma in Agriculture  
 Diploma in Farm Management  
 Diploma in Horticulture  
 Diploma in Horticultural Business  
 Diploma in Horticultural Management  
 Bachelor of Agriculture  
 Bachelor of Agricultural Science  
 Bachelor of Agricultural Science with Honours  
 Bachelor of Agribusiness & Food Marketing  
 Bachelor of Commerce (Agriculture)  
 Bachelor of Commerce (Agriculture & Professional Accounting)  
 Bachelor of Commerce (Horticulture)  
 Bachelor of Land & Property Management  
 Bachelor of Science (Animal Science major)  
 Bachelor of Science (Plant and Horticultural Sciences major)\*  
 Bachelor of Viticulture & Oenology  
 Bachelor of Viticulture & Oenology (Honours)  
 Graduate Diploma in Viticulture & Oenology  
 Postgraduate Diploma in Horticultural Science  
 Postgraduate Diploma in Agricultural Science  
 Master of Agricultural Science  
 Master of Applied Computing  
 Master of Commerce (Agricultural)  
 Master of Horticultural Science  
 Master of Management in Agribusiness  
 Master of Management in Agricultural Systems  
 Master of Precision Agriculture  
 Master of Wine & Viticulture  
 PhD

\*pending approval

# Diploma in Agriculture and Diploma in Farm Management

Study for these flagship diplomas and you'll be well on your way to helping maintain New Zealand's position as a top agricultural producer and exporter. Get started with the Diploma in Agriculture (DipAg) for a solid grounding in the basics, then continue on to the Diploma in Farm Management (DipFM), which will equip you with essential farming and business management skills.

Duration (Years)

1

Intake (Semesters)

1 2



Enhance your knowledge of agriculture and farm management and prepare to hit the ground running in a professional environment. You'll need to complete the DipAg before continuing on to the DipFM, which is perfect if you're seeking a management career in agribusiness.

## Key features

For the Diploma in Agriculture, you will learn about:

- Computing and communication
- Farm management systems
- Business planning
- Plant husbandry
- Soils and soil management
- Livestock production systems
- Plant and animal health
- Engineering

If you decide to continue with the DipFM, you will study aspects of agribusiness planning and management, such as:

- Land purchase and ownership
- Financial and taxation management
- Risk and uncertainty
- Agricultural law
- Machinery ownership
- Labour management

Electives for the Diploma in Farm Management include beef and deer production, dairy production, sheep production, engineering, annual crop production, pasture management, and applied agroforestry.

## Career opportunities

Equipped with a Diploma in Agriculture and a Diploma in Farm Management, you'll be ready for any number of management positions on farms or in the agribusiness sector.

## Entry requirements

One of the following:

- NCEA Level 2, a minimum of 40 credits over four subjects recognised by Lincoln University as suitable for entry. The literacy and numeracy requirements for university entrance are also required.
- A New Zealand Certificate in Agriculture at Level 4 or higher obtained through an approved polytechnic institution.

## Recommended preparation

- Agriculture/Horticulture\*
- Biology\*
- Chemistry
- Computing
- English\*

- Māori Studies
- Maths/Statistics

\*Highly recommended subjects

## Intake semesters

You can start in:

- Semester 1 (late February)
- Semester 2 – regional delivery only (early July)

## Practical Work

Practical work requirements for the Diploma in Agriculture include:

- Working for 12 weeks on two different farm types, with at least four on each type of farm or one farm and an Allied industry
- Completing at least six of the 12 weeks before beginning study

To pass the practical work component, you'll need to demonstrate:

- Competence in driving vehicles (previous tractor or truck driving experience would be an advantage)
- A physical aptitude for working on farms without endangering yourself or others.

The advanced Diploma in Farm Management requires a further year of

## Diploma in Agriculture – course structure

COMP 022	MGMT 024	PLSC 024	SOSC 021	ANSC 021	BIOS 021	ENGN 023	MGMT 025
----------	----------	----------	----------	----------	----------	----------	----------

■ Compulsory course

## Diploma in Farm Management – course structure

MGMT 073	MGMT 073	MGMT 073	MGMT 073	Elective	Elective	Elective	Elective
----------	----------	----------	----------	----------	----------	----------	----------

A course advisor can assist you to select your electives and plan your degree.

■ Compulsory course ■ Elective course

academic study and an additional 44 weeks of practical work with at least 26 consecutive weeks on one farm.

You will also be required to meet the reporting requirements for your practical work.

Please contact the Practical Work Coordinator for further information [practicalwork@lincoln.ac.nz](mailto:practicalwork@lincoln.ac.nz) or phone +64 3 423 0061.

## Programme contact

**Dan Smith**  
Course Advisor  
E: [dan.smith@lincoln.ac.nz](mailto:dan.smith@lincoln.ac.nz)  
P: +64 3 423 0273

➔ For more information or to apply visit [www.lincoln.ac.nz](http://www.lincoln.ac.nz) or call 0800 10 60 10.

Being a part of a small course of like-minded people was very powerful.

And the knowledge and practical skills I gained from the diploma gave me a point of difference against other applicants when applying for roles after uni.

**Matt Walker**  
Diploma in Farm Management

# Diploma in Horticultural Business

Duration (Years)

1

Intake (Semesters)

1 2

Already working in the New Zealand horticultural sector? This online qualification will expand your knowledge and help you to cultivate new opportunities. Continue working as you upskill and prepare to become a business leader in the horticultural industry. Trained managerial professionals are desperately needed in the horticulture and food industries and the Diploma in Horticultural Business will give you the skills to meet these expectations.



Continue working while you study with this flexible 12-month programme, which is delivered mainly online. Prepare to begin working in the horticultural industry by enhancing your knowledge of a broad range of essential topics, then take your learning to the next level with the Diploma in Horticultural Business.

## Key features

- Learn how biological, economic and social disciplines relate to horticultural production systems, value chains and global agribusiness.
- Understand the characteristics of the horticultural industry and the theoretical concepts underpinning its operation and management.
- Discover how to implement marketing practices as competitive strategies for firms operating in global horticultural and food markets.
- Gain the knowledge to solve horticultural business problems related to production, horticultural business and marketing issues.

- Understand the complex social, economic and technical aspects of global horticultural systems.
- Communicate a clear and fluent understanding of horticultural business issues.

## Career opportunities

This programme will upskill you to meet a strong demand for management and advisory experts in the horticultural industry and/or food-related organisations.

## Entry requirements

- Current or prior experience working in the horticulture sector
- Special admission is offered for mature domestic students in current, relevant employment
- University Entrance through NCEA, an approved equivalent qualification.

## Intake semesters

- You can start in:
- Semester 1 (late February)

## Recommended preparation

- Agriculture/Horticulture\*
- Biology\*
- Chemistry
- Computing
- English\*
- Māori Studies
- Maths/Statistics

\*Highly recommended subjects

## Programme Structure

The eight-course online diploma is structured across four terms, each of which will last 10 weeks. There will then be a two-week break between terms before the programme resumes. Two courses will be delivered per term.

There are three compulsory face-to-face workshops, which include study, networking and industry visits. Please note that you will need to pay for your own travel and accommodation and cover any other costs associated with the workshops.

Part-time study options are available.

For the Diploma in Horticultural Business, you will learn about:

HORT 108	Introduction to Horticultural Management
MKTG 104	Horticultural Marketing
MGMT 107	Horticultural Resource Planning: Production and Labour Management
MKTG 103	Horticultural Supply Chain Management
MKTG 105	Global Trends and New Market Opportunities in Horticulture
MKTG 106	Innovation and new product opportunities in Horticulture
MGMT 108	Horticultural Financial Management
MGMT 109	Business Planning and Legislation in Horticulture

■ Compulsory course

## Programme contact

**Meike Rombach**

Course Advisor

E: [meike.rombach@lincoln.ac.nz](mailto:meike.rombach@lincoln.ac.nz)

P: +64 3 423 0271



For more information or to apply visit [www.lincoln.ac.nz](http://www.lincoln.ac.nz) or call 0800 10 60 10.



**The programme has been designed to offer business skills that can immediately be put into practice, with exposure to real-world industry case studies and a problem-based learning approach.**

**Professor Alison Bailey**



# Diploma in Horticulture and Diploma in Horticultural Management

Study for a Diploma in Horticulture and get the start you're looking for in this important area of New Zealand's land-based economy. Want to move into management in the horticultural or agribusiness industries? Then go on to complete the Diploma in Horticultural Management. The further year of study will give you the applied skills and academic knowledge you need to enhance and hone your decision-making abilities.

Prepare to begin working in the horticultural industry by enhancing your knowledge of a broad range of essential topics, then take your learning to the next level with the Diploma in Horticultural Management.

## Key features

For the Diploma in Horticulture, you will learn about:

- Computing and communication
- Horticultural management systems
- Propagation and Nursery
- Soils and soil management
- Plant health
- Plant studies
- Engineering

If you decide to continue with the Diploma in Horticultural Management, you will study aspects of horticultural business, such as:

- Analysis and planning in horticultural business
- Contemporary industry issues
- Employment relations and issues
- Land laws
- Labour management

Electives for the Diploma in Horticultural Management include fruit crop production, crop production, engineering, applied agroforestry and amenity horticulture.

## Career opportunities

Equipped with a Diploma in Horticulture and Diploma in Horticultural Management, you'll be ready for any number of positions, including management roles, in the horticultural sector.

## Entry requirements

One of the following:

- NCEA Level 2, a minimum of 40 credits over four subjects recognised by Lincoln University as suitable for entry. The literacy and numeracy requirements for university entrance are also required.
- A New Zealand Certificate in Agriculture at Level 4 or higher obtained through an approved polytechnic institution.

## Recommended preparation

- Agriculture/Horticulture\*
- Biology\*
- Chemistry
- Computing
- English\*
- Māori Studies
- Maths/Statistics

\*Highly recommended subjects

## Intake semesters

You can start in:

- Semester 1 (late February)
- Semester 2 (early July)

## Practical Work

Practical work requirements for the Diploma in Horticulture include:

- Working for 12 weeks in total on two different types of horticultural units

The advanced Diploma in Horticultural Management requires a further year of academic study and an additional 44 weeks of practical work.

Please contact the Practical Work Coordinator for further information [practicalwork@lincoln.ac.nz](mailto:practicalwork@lincoln.ac.nz) or phone +64 3 423 0061.

Duration (Years)

1

Intake (Semesters)

1 2



**Horticulture is one of the most crucial and fastest-growing industries in the world. It's filled with a broad range of opportunities and huge potential for innovation and technology.**

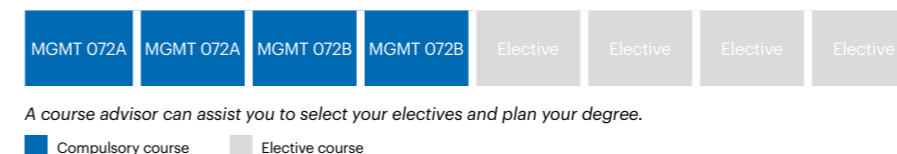
Justin Wehner  
Diploma in Horticulture



## Diploma in Horticulture – course structure



## Diploma in Horticultural Management – course structure



A course advisor can assist you to select your electives and plan your degree.

## Programme contact

Jill Reader  
Course Advisor  
E: [jill.reader@lincoln.ac.nz](mailto:jill.reader@lincoln.ac.nz)  
P: +64 3 423 0876



For more information or to apply visit [www.lincoln.ac.nz](http://www.lincoln.ac.nz) or call 0800 10 60 10.



# Bachelor of Agriculture

Duration (Years)

3

Intake (Semesters)

1 2

Looking for a Bachelor of Agriculture that works in the real world? Want to use 140 years of agricultural experience to your advantage? With Lincoln, you're definitely on the right side of the fence.



New Zealand is a world leader in agriculture. Lincoln University plays a big part in that reputation by producing world-leading agricultural specialists. This degree offers deeper learning in plant, animal and soil sciences plus farm management to help you become outstanding in your field.

## Key features

- Gain in-depth knowledge of animal, plant and soil sciences
- Learn about the workings of primary industry and plant production systems
- Undertake practical work on a farm in an allied industry of your choice
- Use farm-collected data to investigate improving feed and nutrient management.

## Career opportunities

With a Bachelor of Agriculture from Lincoln University, you'll be an ideal candidate for a rewarding career in areas like soil consultancy, farm management, agronomy, research or environmental advisory roles.

## Entry requirements

University Entrance through NCEA, or an approved equivalent qualification

- If English is not your first language other entry requirements will apply. Learn more about English language requirements here: [www.lincoln.ac.nz/english-requirements](http://www.lincoln.ac.nz/english-requirements)

## Recommended preparation

- Agriculture/Horticulture
- Biology\*
- Chemistry\*
- Computing
- English\*
- Māori Studies
- Maths/Statistics\*

\*Highly recommended subjects

## Intake semesters

You can start in either:

- Semester 1 (late February)
- Semester 2 (mid July)\*

There are also options for starting in summer semesters, although the range of courses available would be limited.

\*Please obtain course advice if you are thinking about this option.

## Practical work

During your degree, you'll need to complete 28 weeks of paid full-time practical work. This can include:

- Working on one dairy farm for 10-14 weeks
- Working on a sheep or beef farm for 10-14 weeks
- Using any remaining time to work on a different type of farm or in an allied industry of your choice.

Previous farming experience is preferred but not essential.

To pass the practical work component, you'll need to demonstrate:

- Competence in driving vehicles (previous experience driving tractors or trucks would be an advantage)
- A physical aptitude for working on farms without endangering yourself or others.

For more information, please email the Practical Work Coordinator at [practicalwork@lincoln.ac.nz](mailto:practicalwork@lincoln.ac.nz) or phone +64 3 423 0061.

## Course structure

Year 1

LINC 101	MGMT 103	PHSC 101	ANSC 105	SOSC 106	PLSC 104	BIOS 110	Elective
----------	----------	----------	----------	----------	----------	----------	----------

Year 2

PLSC 204	ANSC 213	MGMT 201	SOSC 224	QMET 201	Elective	Elective	Elective
----------	----------	----------	----------	----------	----------	----------	----------

Year 3

AGRI 393	Elective	Elective	Elective	Elective	Elective	Elective	Elective
----------	----------	----------	----------	----------	----------	----------	----------

Please note this degree structure is indicative only.

A course advisor can assist you to select your electives and plan your degree.

■ Compulsory course ■ Elective course ■ Recommended elective course

## Programme contact

**Tom Maxwell**  
Course Advisor  
E: [tom.maxwell@lincoln.ac.nz](mailto:tom.maxwell@lincoln.ac.nz)  
P: 03 423 0671



For more information or to apply visit [www.lincoln.ac.nz](http://www.lincoln.ac.nz) or call 0800 10 60 10.



The combination of these courses prepares you well for employment in the agriculture industry.



# Bachelor of Agricultural Science

Duration (Years)

4

Intake (Semesters)

1 2

This degree has produced some of the best leaders, thinkers and doers in the agricultural sector for over 140 years. Plus, if you really want to set yourself apart from the herd, you can undertake an original research project on a chosen topic in animal science, plant science, soil science or farm management to complete your degree with honours.

If you want a career helping farmers meet the demands of international markets with environmentally-friendly ways of getting food from the paddock to plate, you'll find the grass is always greener at Lincoln.

## Key features

- Gain in-depth knowledge of animal, plant and soil sciences
- Learn how primary industry, agricultural, and plant production systems work
- Undertake practical work on a farm in an allied industry of your choice
- Use data from farms to investigate ways to improve feed and nutrient management.

## Career opportunities

With a Bachelor of Agricultural Science from Lincoln University, you'll be an ideal candidate for a rewarding career in areas like consultancy, research, technical roles and farm management.

## Entry requirements

University Entrance through NCEA, or an approved equivalent qualification

- If English is not your first language other entry requirements will apply. Learn more about English language requirements here: [www.lincoln.ac.nz/english-requirements](http://www.lincoln.ac.nz/english-requirements)

## Recommended preparation

- Agriculture/Horticulture
- Biology\*
- Chemistry\*
- Computing
- English\*
- Māori Studies
- Maths/Statistics\*

\*Highly recommended subjects

## Intake semesters

You can start in either:

- Semester 1 (late February)
- Semester 2 (mid July)\*

There are also options for starting in summer semesters, although the range of courses available would be limited.

\*Please obtain course advice if you are thinking about this option.

## Additional major

There may be an opportunity to add an additional major to your programme of study. Please refer to the programme course advisor for further information.

## Practical work

During your degree, you'll need to complete 28 weeks of paid full-time practical work. This can include:

- Working on one dairy farm for 10-14 weeks
- Working on a sheep or beef farm for 10-14 weeks
- Using any remaining time to work on a different type of farm or in an allied industry of your choice.

Previous farming experience is preferred but not essential.

To pass the practical work component, you'll need to demonstrate:

- Competence in driving vehicles (previous experience driving tractors or trucks would be an advantage)
- A physical aptitude for working on farms without endangering yourself or others.

For more information, please email the Practical Work Coordinator at [practicalwork@lincoln.ac.nz](mailto:practicalwork@lincoln.ac.nz) or phone +64 3 423 0061.



## Course structure

Year 1

LINC 101	MGMT 103	PHSC 101	ANSC 105	SOSC 106	PLSC 104	BIOS 110	Elective
----------	----------	----------	----------	----------	----------	----------	----------

Year 2

PLSC 204	ANSC 213	MGMT 201	SOSC 224	QMET 201	Elective	Elective	Elective
----------	----------	----------	----------	----------	----------	----------	----------

Year 3

AGRI 393	Elective	Elective	Elective	Elective	Elective	Elective	Elective
----------	----------	----------	----------	----------	----------	----------	----------

Year 4

Elective	Elective	Elective	Elective	Elective	Elective	Elective	Elective
----------	----------	----------	----------	----------	----------	----------	----------

A course advisor can assist you to select your electives and plan your degree.

■ Compulsory course ■ Elective course ■ Recommended elective course

## Programme contact

**Tom Maxwell**  
Course Advisor  
E: [tom.maxwell@lincoln.ac.nz](mailto:tom.maxwell@lincoln.ac.nz)  
P: 03 423 0671

➔ For more information or to apply visit [www.lincoln.ac.nz](http://www.lincoln.ac.nz) or call 0800 10 60 10.



**I chose my degree because of its broad range of animal, soil, agronomy and farm management papers. I was able to choose topics which I was passionate about and customise my degree.**

**Becxs Bush**  
Bachelor of Agricultural Science



# Bachelor of Commerce (Agriculture and Professional Accounting)

Duration (Years)

4

Intake (Semesters)

1 2

Become equipped for leadership in the farming, agribusiness and accounting sectors. This four-year degree includes components of farm management, agricultural production, accounting and business courses. You'll graduate well ahead of the curve.

The farming sector needs excellent accounting skills like cows need grass. Want to put expert farming knowledge and your skills with numbers to work in a key New Zealand industry? Here's the degree for you.

## Key features

This degree will enable you to meet the academic requirements for:

- CPA (Certified Practising Accountants) Australia, one of the world's largest accounting bodies
- Chartered Accountants Australia and New Zealand (CA ANZ), a leading professional association of leaders in business and finance in Australia and New Zealand
- Association of Chartered Certified Accountants (ACCA), a network of finance professionals across the globe that give you meaningful connections and industry credibility.

## Career opportunities

As a Bachelor of Commerce – Agriculture and Professional Accounting graduate, you will be well equipped for leadership roles across the accounting sector in almost any farming, agribusiness and accounting firm.

## Entry requirements

University Entrance through NCEA, or an approved equivalent qualification

- If English is not your first language other entry requirements will apply. Learn more about English language requirements here: [www.lincoln.ac.nz/english-requirements](http://www.lincoln.ac.nz/english-requirements)

## Recommended preparation

- Accounting\*
- Agriculture/Horticulture
- Biology
- Chemistry
- Computing
- Economics
- English\*
- Māori Studies
- Maths/Statistics

\*Highly recommended subjects

## Intake semesters

- You can start in either:
- Semester 1 (late February)
  - Semester 2 (mid July)\*

There are also options for starting in summer semesters, although the range of courses available would be limited.

\*Please obtain course advice if you are thinking about this option.

## Practical work

Practical work requirements include:

You'll need to complete at least 30 weeks of practical work during your degree. This could be either:

- Two farm placements of 15 weeks each, or
- Two farm placements plus an allied placement of 10 weeks each.

You must work for 10-15 weeks per workplace and complete two reports.

Previous farming experience is preferred but not essential.

To pass the practical work component, you'll need to demonstrate:

- Competence in driving vehicles (previous experience driving tractors or trucks would be an advantage)
- A physical aptitude for working on farms without endangering yourself or others.

For more information, please email the Practical Work Coordinator at [practicalwork@lincoln.ac.nz](mailto:practicalwork@lincoln.ac.nz) or phone **+64 3 423 0061**.



## Course structure

Year 1	Choose two from						
ECON 113	MGMT 103	COMM 112	ACCT 101	LWST 114	ANSC 105	SOSC 106	PLSC 104
MGMT 201 or MGMT 214	ACCT 202	ACCT 203	MGMT 202 or MGMT216	MGMT 203	MGMT 222	Elective	Elective
MGMT 316	FINC 204	MGMT 318	MGMT 317	MGMT 340	COMM 111	ACCT 211	ACCT 203
ACCT 306	ACCT 308	ACCT 302	ACCT 310	LWST 201	Elective	Elective	Elective

Please note this degree structure is indicative only. A course advisor can assist you to select your electives and plan your degree.

■ Compulsory course ■ Elective course ■ Recommended elective course

## Programme contacts

**Cuong Nguyen**  
Course Advisor (Accounting)  
E: [cuong.nguyen@lincoln.ac.nz](mailto:cuong.nguyen@lincoln.ac.nz)  
P: 03 423 0245

**Victoria Westbrooke**  
Course Advisor  
E: [victoria.westbrooke@lincoln.ac.nz](mailto:victoria.westbrooke@lincoln.ac.nz)  
P: 03 423 0272

➔ For more information or to apply visit [www.lincoln.ac.nz](http://www.lincoln.ac.nz) or call 0800 10 60 10.

**The Bachelor of Commerce (Agriculture and Professional Accounting) provides many opportunities for employment, as you stand out from the crowd. The degree gives you a different skill set that is in demand with the ever-expanding agricultural sector.**

**Fiona Pahl**  
Bachelor of Commerce (Agriculture and Professional Accounting)

# Bachelor of Commerce (Agriculture)

Duration (Years)

3

Intake (Semesters)

1 2

If you're not one to follow the herd, here's the degree for you. It's specialised, industry-related and prepares you for leadership in both farming and agribusiness.

Agriculture is a bio-economic endeavour. Gain in-depth knowledge of the interaction between the disciplines of biology, commerce and farm systems. This degree includes academic courses, real-world case studies, field trips and regional study tours.

## Key features

- Gain a degree that translates directly to industry
- Develop a broad knowledge base in farm systems management, agribusiness, animal, plant and soil production and put it to work in a variety of professional contexts.

## Career opportunities

This programme will equip you for roles right across the agricultural industry, including areas such as farm management, farm services, agricultural consultancy, rural finance, rural insurance, and accounting.

## Entry requirements

University Entrance through NCEA, or an approved equivalent qualification

- If English is not your first language other entry requirements will apply. Learn more about English language requirements here: [www.lincoln.ac.nz/english-requirements](http://www.lincoln.ac.nz/english-requirements)

## Recommended preparation

- Accounting
- Agriculture/Horticulture
- Biology
- Chemistry
- Computing
- Economics
- English\*
- Māori Studies
- Maths/Statistics

\*Highly recommended subjects

## Intake semesters

You can start in either:

- Semester 1 (late February)
- Semester 2 (mid July)\*

\*Please obtain course advice if you are thinking about this option.

## Additional major

There may be an opportunity to add an additional major to your programme of study. Please refer to the programme course advisor for further information.

## Practical work

You'll need to complete at least 30 weeks of practical work during your degree. This could be either:

- Two farm placements of 15 weeks each, or
- Two farm placements plus an allied placement of 10 weeks each.

You must work for 10-15 weeks per workplace and complete two reports.

Previous farming experience is preferred but not essential.

To pass the practical work component, you'll need to demonstrate:

- Competence in driving vehicles (previous experience driving tractors or trucks would be an advantage)
- A physical aptitude for working on farms without endangering yourself or others.

For more information, please email the Practical Work Coordinator at [practicalwork@lincoln.ac.nz](mailto:practicalwork@lincoln.ac.nz) or phone +64 3 423 0061.



## Course structure

Year 1	Choose two from							
ECON 113	MGMT 103	COMM 112	COMM 111	LWST 114	PLSC 104	ANSC 105	SOSC 106	
Year 2	MGMT 201	MGMT 222	MGMT 203	MGMT 202	ANSC 213	PLSC 204	SOSC 224	Elective
Year 3	MGMT 316	MGMT 318	MGMT 340	MGMT 317	Elective	Elective	Elective	Elective

Please note this degree structure is indicative only. A course advisor can assist you to select your electives and plan your degree.

■ Compulsory course ■ Elective course ■ Recommended elective course

## Programme contacts

**Elizabeth Burt**  
Course Advisor  
E: [elizabeth.burt@lincoln.ac.nz](mailto:elizabeth.burt@lincoln.ac.nz)  
P: 03 423 0266

**Victoria Westbrooke**  
Course Advisor  
E: [victoria.westbrooke@lincoln.ac.nz](mailto:victoria.westbrooke@lincoln.ac.nz)  
P: 03 423 0272

➔ For more information or to apply visit [www.lincoln.ac.nz](http://www.lincoln.ac.nz) or call 0800 10 60 10.

**I decided to attend Lincoln because of its great reputation in the agricultural sector.**

**Anna Paget**  
Bachelor of Commerce  
(Agriculture)

# Bachelor of Commerce (Horticulture)

Duration (Years)

3

Intake (Semesters)

1

Prepare for a management position in the horticultural and food industries and meet a strong demand for professionals who can cater to increasing global pressure for high-quality food. The Bachelor of Commerce (Horticulture) will give you the skills and knowledge to pursue a career in a management or advisory role.

Business skills are also needed in associated areas such as the agrochemical, fertiliser and horticultural machinery distribution industries, so there will be a wide range of career possibilities open to you when you graduate.

## Key features

- Develop an in-depth understanding of the bio-physical environment and biological production systems as they relate to horticultural production
- Learn about the characteristics of the horticultural industry and the theoretical concepts that underpin its operation and management
- Discover how to analyse the likely impacts of new technologies and innovative practices in the horticultural sector
- Learn to apply appropriate approaches, methods and tools to analyse, evaluate and solve problems related to horticultural production and agribusiness management and marketing issues
- Integrate theory and practice from different disciplines to evaluate complex social, economic and technical aspects of global horticultural systems

- Learn to communicate a clear, fluent understanding of real-world horticultural business issues.

## Career opportunities

This programme will prepare you for management and advisory positions in the horticultural industry and/or food-related organisations, with the potential to move into governance roles.

## Entry requirements

University Entrance through NCEA, or an approved equivalent qualification

- If English is not your first language other entry requirements will apply. Learn more about English language requirements here: [www.lincoln.ac.nz/english-requirements](http://www.lincoln.ac.nz/english-requirements)

## Recommended preparation

- Agriculture /Horticulture
- Biology
- Chemistry
- Computing
- Economics
- English
- Māori Studies
- Maths/Statistics
- Technology

## Practical work

You'll need to complete at least 30 weeks of practical work during your degree.

This could be either:

- 2 horticultural placements of 15 weeks each, or
- 2 horticultural placements of 10 weeks each plus an allied placement of 10 weeks.

The minimum placement is 10 weeks per workplace. The maximum placement is 15 weeks. Two reports are required.

For more information, please email the Practical Work Coordinator at [practicalwork@lincoln.ac.nz](mailto:practicalwork@lincoln.ac.nz) or phone +64 3 423 0061.



## Course structure

Year 1

COMM 111	COMM 112	ECON 113	HORT 107	LWST 114	MKTG 115	PLSC 104	SOSC 106
----------	----------	----------	----------	----------	----------	----------	----------

Year 2

HORT 222	MGMT 214	MGMT 216	MGMT 222	MGMT 106	Elective	Elective	Elective
----------	----------	----------	----------	----------	----------	----------	----------

Year 3

MGMT 318	MGMT 340	MGMT 344	BMGT 221	Elective	Elective	Elective	Elective
----------	----------	----------	----------	----------	----------	----------	----------

Please note this degree structure is indicative only.

A course advisor can assist you to select your electives and plan your degree.

■ Compulsory course ■ Elective course

## Programme contacts

**Meike Rombach**  
Course Advisor  
E: [meike.rombach@lincoln.ac.nz](mailto:meike.rombach@lincoln.ac.nz)  
P: 03 423 0271

➔ For more information or to apply visit [www.lincoln.ac.nz](http://www.lincoln.ac.nz) or call 0800 10 60 10.



**The goal of the programme is to provide business and management skills that directly apply to the specific and complex nature of the horticultural industry. Extensive feedback from the industry suggests that higher level academic training will be needed for managerial staff**

**Professor Alison Bailey**  
Head of Department, Land Management and Systems



# Bachelor of Viticulture and Oenology

Duration (Years)

3

Intake (Semesters)

1 2

Behind every great wine there's a lot of high quality science and sound management. This specialist degree will prepare you for a rewarding career in an industry that can take you to some of the best places in the world.

This degree covers wine preparation, advanced viticulture and wine science, pest and disease management, biometrics and wine chemistry. Our graduates are highly sought-after and if you're one of them, you can look forward to great career opportunities all over the world.

## Key features

- Receive a solid grounding in the sciences, including biology, chemistry, and plant, soil and wine science
- Gain the practical experience of producing your own wine
- Discover the essentials of horticultural systems
- Learn the principles of wine science and wine quality assessment
- Develop an understanding of the wine supply chain from plant and soil sciences through to marketing and management of wine products.
- Take advantage of Lincoln's expertise, with the university having delivered one of the first cool climate wine production programmes.

## Career opportunities

Employment options in the wine industry are many and varied.

Work in areas such as grape-growing, vineyard management, cellar management, winery lab management, winemaking, marketing management and sales.

## Entry requirements

University Entrance through NCEA, or an approved equivalent qualification

- If English is not your first language other entry requirements will apply. Learn more about English language requirements here: [www.lincoln.ac.nz/english-requirements](http://www.lincoln.ac.nz/english-requirements)

## Recommended preparation

- Agriculture/Horticulture
- Biology\*
- Chemistry\*
- Computing
- English\*
- Māori Studies
- Maths/Statistics

\*Highly recommended subjects

## Intake semesters

You can start in either:

- Semester 1 (late February)
- Semester 2 (mid July)\*

There are also options for starting in summer semesters, although the range of courses available would be limited.

\*Please obtain course advice if you are thinking about this option.

## Additional major

There may be an opportunity to add an additional major to your programme of study. Please refer to the programme course advisor for further information.

## Practical work

You'll need to complete 18 weeks of practical work during your degree. This must include a minimum of six consecutive weeks in both:

- A commercial vineyard
- A commercial winery

In addition to this, you can complete six weeks of practical work in an allied industry such as a wine bar or shop, winery laboratory or brewery. Alternatively, you can complete up to 12 weeks in your vineyard or winery practical work placement.

For more information, please email the Practical Work Coordinator at [practicalwork@lincoln.ac.nz](mailto:practicalwork@lincoln.ac.nz) or phone +64 3 423 0061.



## Typical degree structure:

Year 1

BIOS 110	PHSC 101	WINE 101	SOSC 106	PLSC 104	Elective	Elective	Elective
----------	----------	----------	----------	----------	----------	----------	----------

Year 2

WINE 201	MGMT 214	WINE 202	QMET 201	WINE 302	Elective	Elective	Elective
----------	----------	----------	----------	----------	----------	----------	----------

Year 3

WINE 301	ENGN 361	MGMT 344	PLPT 323	WINE 304	Elective	Elective	Elective
----------	----------	----------	----------	----------	----------	----------	----------

Please note this degree structure is indicative only.

A course advisor can assist you to select your electives and plan your degree.

■ Compulsory course ■ Elective course ■ Select at least two of four courses

## Programme contacts

### Olaf Schelezki

Course Advisor

E: [olaf.schelezki@lincoln.ac.nz](mailto:olaf.schelezki@lincoln.ac.nz)

P: 03 423 0879



For more information or to apply visit [www.lincoln.ac.nz](http://www.lincoln.ac.nz) or call 0800 10 60 10.



The type of programme I was looking for wasn't offered at other universities, and it made sense to study plants at a university with a strong land-based history.

Len Ibbotson

Bachelor of Viticulture and Oenology



# Bachelor of Agribusiness and Food Marketing

Duration (Years)

3

Intake (Semesters)

1 2

**Food.** A multi-billion dollar industry in a fast-changing world, with huge demand for experts who understand food systems, from production to the final consumer.

Ready to get your teeth into a career with a big future? With the Bachelor of Agribusiness and Food Marketing, you will be employable right across the agrifood value chain.

Did you know food and beverage makes up 69% of New Zealand exports?

As populations grow faster than resources, demand for innovative ways to produce and market food grows too.

Underpinned by our strong history in agriculture and agribusiness, this degree offers you excellent working knowledge of global agribusiness and food marketing, not to mention tasty career options in key fields.

## Key features

- Gain the only specialised food marketing degree in the Southern Hemisphere
- Become work-ready and highly employable in agrifood sectors in New Zealand and around the world
- Gain promising career options in everything from supplier management to product development and marketing.

## Career opportunities

This degree will equip you for roles in areas such as food marketing and communications; product innovation; logistics and supply chain management; business development in dairy, meat, wine, horticulture and arable industries; processed food and beverage companies; product sales; and customer service.

## Entry requirements

University Entrance through NCEA, or an approved equivalent qualification

- If English is not your first language other entry requirements will apply. Learn more about English language requirements here: [www.lincoln.ac.nz/english-requirements](http://www.lincoln.ac.nz/english-requirements)

## Recommended preparation

- Agribusiness
- Agriculture/Horticulture
- Biology
- Economics
- English\*
- Māori Studies

\*Highly recommended subjects

## Intake semesters

You can start in either:

- Semester 1 (late February)
- Semester 2 (mid July)\*

There are also options for starting in summer semesters, although the range of courses available would be limited.

\*Please obtain course advice if you are thinking about this option.

## Additional major or minor

There may be an opportunity to add an additional major to your programme of study. Please refer to the programme course advisor for further information.

## Practical work

You'll need to complete 18 weeks of practical work during your degree. This must be undertaken in two different areas with a maximum of 12 weeks in any of the following:

- An agricultural production based enterprises i.e. farms of all types including livestock, crop, horticulture, vineyards and aquaculture
- An associated processing industries such as food factories, wineries and meat works
- A distribution, logistics, transport, distribution centres, cool stores, etc
- A marketing, import/export, retail, wholesalers, etc.

For more information, please email the Practical Work Coordinator at [practicalwork@lincoln.ac.nz](mailto:practicalwork@lincoln.ac.nz) or phone **+64 3 423 0061**.



## Course structure

Year 1

ECON 113	MGMT 106	COMM 112	FOOD 101	MKTG 115	COMM 111	Elective	Elective
----------	----------	----------	----------	----------	----------	----------	----------

Year 2

FOOD 201	MKTG 210	MGMT 222	MGMT 223 or FOOD 202	Elective	Elective	Elective	Elective
----------	----------	----------	----------------------	----------	----------	----------	----------

Year 3

MKTG 301	FOOD 301	MKTG 323	MGMT 341	MGMT 340	MKTG 308	Elective	Elective
----------	----------	----------	----------	----------	----------	----------	----------

Please note this degree structure is indicative only.

A course advisor can assist you to select your electives and plan your degree.

■ Compulsory course ■ Elective course

## Programme contacts

**Nic Lees**  
Course Advisor  
E: [nic.lees@lincoln.ac.nz](mailto:nic.lees@lincoln.ac.nz)  
P: 03 423 0275

**Sharon Lucock**  
Course Advisor  
E: [sharon.lucock@lincoln.ac.nz](mailto:sharon.lucock@lincoln.ac.nz)  
P: 03 423 0262



For more information or to apply visit [www.lincoln.ac.nz](http://www.lincoln.ac.nz) or call 0800 10 60 10.



**Lincoln's helped me to grow so much. Before I came to university, I was working in the food and wine industry. Now I've got an academic qualification that will improve my career prospects, which is so amazing.**

**Ellen Pryor**  
Bachelor of Agribusiness and Food Marketing



# Bachelor of Land and Property Management

Duration (Years)

4

Intake (Semesters)

1 2



This programme is the perfect place to start your career as a land and property professional. It's one of the most comprehensive degrees of its kind in Australasia, has had a 100% graduate employment rate and you can even do a semester overseas. Ready for a closer look?

Demand for urban and rural property graduates now far outstrips supply. That means you'll finish your degree able to walk into any number of great jobs.

## Key features

- Study urban property or rural property or specialise by adding a major like accounting, finance, investment, or environmental management
- Gain a degree that is accredited by the Property Institute of New Zealand, the Valuers Registration Board, the Institute of Valuers, the Real Estate Agents Authority, and the Royal Institution of Chartered Surveyors.
- Benefit from a huge range of career options
- Be taught by specialists in the field with international experience, and up-to-date insights into the industry.

## Career opportunities

This degree will equip you for roles in areas such as valuation, property management, facilities and asset management, property development, investment and portfolio analysis, real estate brokerage, banking and finance, rural valuation, agricultural banking and finance, and farm consultancy.

## Urban Valuation and Property Management – course structure

Year 1	ECON 113	ENGN 105	COMM 112	FINC 101	COMM 111	VAPM 101	LWST 114	Elective
Year 2	VAPM 201	VAPM 207	ECON 211	LWST 203	ENGN 232	VAPM 209	Elective	Elective
Year 3	VAPM 205	VAPM 308	VAPM 310	Elective	Elective	Elective	Elective	Elective
Year 4	VAPM 313	LWST 302	VAPM 314	VAPM 311	VAPM 309	ERST 202	Elective	Elective

Please note this degree structure is indicative only. A course advisor can assist you to select your electives and plan your degree. You may also be able to do a Rural and Urban Valuation major qualification.

■ Compulsory course ■ Recommended elective ■ Elective course

## Entry requirements

University Entrance through NCEA, or an approved equivalent qualification

- If English is not your first language other entry requirements will apply. Learn more about English language requirements here: [www.lincoln.ac.nz/english-requirements](http://www.lincoln.ac.nz/english-requirements)

## Recommended preparation

- Accounting
- Computing
- Economics
- English\*
- Geography/Social Studies
- Māori Studies
- Maths/Statistics

\*Highly recommended subjects

## Rural Valuation – course structure

Year 1	ECON 113	MGMT 103	COMM 112	FINC 101	COMM 111	VAPM 101	SOSC 106	LWST 114
Year 2	ENGN 105	ECON 211	VAPM 208	LWST 203	MGMT 202 or MGMT 216	MGMT 201 or MGMT 214	VAPM 209	Elective
Year 3	VAPM 308	LWST 302	VAPM 310	VAPM 205	Elective	Elective	Elective	Elective
Year 4	MGMT 316	MGMT 318 or VAPM 309	VAPM 312	MGMT 317	ERST 202	Elective	Elective	Elective

Please note this degree structure is indicative only. A course advisor can assist you to select your electives and plan your degree. You may also be able to do a Rural and Urban Valuation major qualification.

■ Compulsory course ■ Recommended elective ■ Elective course

## Intake semesters

You can start in either:

- Semester 1 (late February)
- Semester 2 (mid July)\*

There are also options for starting in summer semesters, although the range of courses available would be limited.

\*Please obtain course advice if you are thinking about this option.

## Primary Production Specialisation – course structure

The Primary Production Specialisation is an option in conjunction with the Rural Valuation major.

Compulsory courses: ANSC 105; MGMT 222; MGMT 318; MGMT 340

Plus four of: PLSC 104; ANSC 213; FORS 270; PLSC 204; SOSC 224; ANSC 312; PLSC 320; PLSC 321; SOSC 320

## Additional major or minor

There may be an opportunity to add an additional major or minor to your programme of study. Please refer to the programme course advisor for further information.

## Practical work

You'll need to complete practical work for both majors (urban and rural) during your degree.

## Urban Major (12 weeks)

The Urban major requires you to complete 12 weeks practical work. This must include six consecutive weeks to be carried out with one employer.

## Rural Major (30 weeks)

The Rural major requires an additional 18 weeks practical work experience in Primary Production and Allied Industries.

For more information, please email the Practical Work Coordinator at [practicalwork@lincoln.ac.nz](mailto:practicalwork@lincoln.ac.nz) or phone +64 3 423 0061.

## Programme contacts

**David Dyason**  
Course Advisor  
E: [david.dyason@lincoln.ac.nz](mailto:david.dyason@lincoln.ac.nz)  
P: 03 423 0218

**Ed Percy**  
Course Advisor  
E: [edward.percy@lincoln.ac.nz](mailto:edward.percy@lincoln.ac.nz)  
P: 03 423 0252

**Mark Dow**  
Course Advisor  
E: [mark.dow@lincoln.ac.nz](mailto:mark.dow@lincoln.ac.nz)  
P: 03 423 0202

**Graham Squires**  
Course Advisor  
E: [graham.squires@lincoln.ac.nz](mailto:graham.squires@lincoln.ac.nz)

➔ For more information or to apply visit [www.lincoln.ac.nz](http://www.lincoln.ac.nz) or call 0800 10 60 10.



# Bachelor of Science (Animal Science major)

Duration (Years)

3

Intake (Semesters)

1 2

Animals are central to our wellbeing in New Zealand, whether we're developing animal-derived food and products for export, managing the environmental impact of introduced species, or considering the role of animals as companions and pets. Understanding animals' behaviour, the drivers of their health and wellbeing, their value to us, and our responsibilities to them is crucial to the economy and our day-to-day activities.

The Bachelor of Science majoring in Animal Science aligns with the needs of industry, preparing you to lead knowledge-driven solutions to some of our most significant challenges, now and into the future.

## Key features

- Learn from leaders in animal production science and benefit from industry networks with the sheep, fine wool and large-scale dairy industries of Aotearoa New Zealand
- Gain a sound knowledge base across several disciplines, blending research expertise with practical skills
- Gain practical experience in study design, data collection and analysis, and have the chance to develop and conduct your own research projects
- Focus on research-led papers in the third year, with ethical standards in animal health and welfare interwoven throughout the courses.

## Career opportunities

The Bachelor of Science majoring in Animal Science will prepare you for a wide range of technical, advocacy and management roles across the animal science, management and livestock industries. Potential positions include animal breeding specialist, conservation officer, biosecurity officer, animal production specialist, animal welfare officer and animal science researcher.

## Entry requirements

University Entrance through NCEA, or an approved equivalent qualification

- If English is not your first language other entry requirements will apply. Learn more about English language requirements here: [www.lincoln.ac.nz/english-requirements](http://www.lincoln.ac.nz/english-requirements)

## Recommended preparation

- Agriculture
- Biology\*
- Chemistry\*
- English\*
- Māori Studies
- Maths/Statistics\*

\*Highly recommended subjects

## Intake semesters

You can start in either:

- Semester 1 (late February)
- Semester 2 (mid July)\*

There are also options for starting in summer semesters, although the range of courses available would be limited.

\*Please obtain course advice if you are thinking about this option.

## Additional major

There may be an opportunity to add an additional major to your programme of study. Please refer to the programme course advisor for further information.



## Course structure

Year 1

BIOS110	PHSC101	ANSC105	ECOL103	LINC101	MAST104	PHIL103	BMGT116
---------	---------	---------	---------	---------	---------	---------	---------

Year 2

QMET201	BICH207	ANSC213	ANSC207	ECOL293	GENE201	Elective	Elective
---------	---------	---------	---------	---------	---------	----------	----------

Year 3

ANSC319	ANSC327	Elective	Elective	Elective	Elective	Elective	Elective
---------	---------	----------	----------	----------	----------	----------	----------

A course advisor can assist you to select your electives and plan your degree.

■ Compulsory course ■ Recommended elective course ■ Elective course

## Programme contacts

**David Scobie**  
Course Advisor  
E: [David.Scobie@lincoln.ac.nz](mailto:David.Scobie@lincoln.ac.nz)  
P: 03 423 0696



For more information or to apply visit [www.lincoln.ac.nz](http://www.lincoln.ac.nz) or call 0800 10 60 10.



**The Bachelor of Science, majoring in Animal Science, aligns with the needs of industry, preparing you to lead knowledge-driven solutions to some of the industry's most significant challenges, now and into the future.**

**Professor Jon Hickford**  
Faculty of Agriculture and Life Sciences



# Bachelor of Science (Plant and Horticultural Sciences major)\*

Duration (Years)

3

Intake (Semesters)

1 2

The horticultural sector plays a pivotal role in shaping Aotearoa's economic landscape and there's a growing demand for a qualified workforce. With the Bachelor of Science, majoring in Plant and Horticultural Sciences, you'll unearth your potential in a thriving industry.

This degree helps you develop critical knowledge in applied plant production, integrated pest management and problem solving. With a clear focus on sustainability, the programme will prepare you to make a real difference in any number of technical, advocacy and management roles.

You will also benefit from working at our Living Laboratory, an outdoor setting on campus that brings together research partners and students to explore challenges facing our world. You will increase your hands-on experience of the different aspects of horticultural production.

## Key features

After completing this degree, you will be able to:

- Explain how horticultural plants grow in relation to soil, temperature, water, light and nutrition
- Understand the principles and practices concerning pruning, training and harvesting of horticultural crops
- Discuss the significance of sustainable production, integrated pest management and how Mātauranga Māori can be integrated and applied in commercial field operations

- Describe the different plant growth regulators and how these interact in horticultural production systems
- Identify the different controlled environment production systems, including managing an indoor climate and understanding growing media and fertilisers utilised in horticultural production systems
- Integrate knowledge and skills from different disciplines to help solve complex problems in a wide range of plant and horticultural sciences industries.

## Career opportunities

Armed with this degree, you'll be prepared to undertake a wide range of technical, advocacy and management roles across the agriculture and horticultural production industries.

## Entry requirements

University Entrance through NCEA, or an approved equivalent qualification

- If English is not your first language other entry requirements will apply. Learn more about English language requirements here: [www.lincoln.ac.nz/english-requirements](http://www.lincoln.ac.nz/english-requirements)

## Recommended preparation

- Biology\*
- Chemistry\*
- English\*
- Māori Studies
- Maths/Statistics\*

\*Highly recommended subjects

## Intake semesters

You can start in either:

- Semester 1 (late February)
- Semester 2 (mid July)\*

There are also options for starting in summer semesters, although the range of courses available would be limited.

\*Please obtain course advice if you are thinking about this option.

## Additional major

There may be an opportunity to add an additional major to your programme of study. Please refer to the programme course advisor for further information.



## Typical degree structure

Year 1

BIOS 110	PHSC 101	SOSC 106	PLSC 104	ECOL 103	HORT 107	HORT 109	MAST 120
----------	----------	----------	----------	----------	----------	----------	----------

Year 2

QMET 201	PLSC 201	PLPT 203	HORT 222	HORT 272	Elective	Elective	Elective
----------	----------	----------	----------	----------	----------	----------	----------

Year 3

QMET 306	PLSC 325	HORT 330	PLPT 305	PLPT 306	Elective	Elective	Elective
----------	----------	----------	----------	----------	----------	----------	----------

■ Compulsory course ■ Elective course

Please note this degree structure is indicative only.

A course advisor can assist you to select your electives and plan your degree.

Upon successful completion of this degree programme, you will be awarded with a Bachelor of Science with a Plant and Horticultural Sciences major.

\* Programme pending approval

## Programme contacts

Pieter-Willem Hendriks

Course Advisor

E: [Pieter-Willem.Hendriks@lincoln.ac.nz](mailto:Pieter-Willem.Hendriks@lincoln.ac.nz)

P: 03 423 0637



For more information or to apply visit [www.lincoln.ac.nz](http://www.lincoln.ac.nz) or call 0800 10 60 10.



I looked at food science programmes all over the world and eventually chose Lincoln, due to the university's solid reputation.

Sofia Echeuerria Portillo  
Lincoln University science graduate



# Additional majors

Studying for a bachelor's degree? You can include an additional major, which will supplement your degree programme with meaningful study in a complementary discipline.

## Accounting

Develop the accounting-based knowledge and skills to pursue a wide variety of business careers. This major will massively increase your employability, especially when coupled with a core business major. Learn to evaluate accounting issues in a business environment, use the latest tools and techniques to solve accounting problems and prepare and analyse accounting and finance reports.

### Courses

The Accounting major consists of eight courses: one 100-level course, four 200-level courses and three 300-level courses. Courses selected at the 300-level for the major cannot be applied to any other qualification.

## Facilities Management

Gain a sound understanding of building form, function, materials, maintenance, processes and facility and corporate legislation. You will be equipped with the knowledge and skills required to develop and manage complex portfolios of real estate assets.

### Courses

The major consists of eight courses, three at 100-level, two at 200-level and three at 300-level.

## Economics

Use economics to solve real-world problems and gain the expertise to help address a range of global issues. You'll develop the ability to quantitatively analyse New Zealand value chains (from primary production to end consumers), a skill that is highly sought-after by employers.

### Courses

The Economics major consists of eight courses: two 100-level courses, three 200-level courses and three 300-level courses. Courses selected at the 300-level for the major cannot be applied to any other qualification.

## Environmental Management

This major is strongly aligned with Agriculture, Environmental Science, Tourism Management, Land and Property Management, Landscape Architecture and Recreation Management. If you're studying for one of these degrees, this major will provide you with essential environmental management skills, leading to employment in the profession.

The public and political interest in environmental issues across a broad range of industries, along with increased media coverage, is likely to increase the importance of the environment in employers' minds and

create more careers for people with environmental management skills.

### Courses

This major consists of eight courses, which is one-third of a 24-course degree. At least three of the courses are at the 300-level and no more than three can be taken at the 100-level. Courses selected at the 300-level cannot be applied to any other qualification.

## Event Management

Gain the expertise to pursue a career as an event professional in a range of industries. Event management is a growing area of specialisation at tertiary institutions throughout Australasia and the world. The significance of events has spread beyond the traditional realm of tourism, sport and the arts into the corporate world and a range of other sectors, including hospitality and wine and food production. Corporations, organisations and local councils appreciate the value that events and festivals bring to businesses and local economies as they help to facilitate their role in encouraging community development and engagement.

### Courses

The Event Management major consists of eight courses – three 100-level courses, two 200-level courses and three 300-level courses. Courses selected at the 300-level cannot be applied to any other qualification.

## Finance

Finance lies at the heart of business operations and is a dynamic field within the modern global economy. Develop the advanced knowledge and skills to become a finance expert so that when you join the workforce, you can effectively adapt to a rapidly changing business environment. As New Zealand becomes more dependent on global value chains, greater numbers of university graduates will be required in many industries.

### Courses

The Finance major consists of eight courses: three 100-level courses, two 200-level courses and three 300-level courses. Courses selected at the 300-level for the major cannot be applied to any other qualification.

## Global Business

Learn the management techniques required to run global organisations. Develop leadership and strategy skills and have the option of specialising in international marketing, international economics, or business sustainability management.

An emphasis on internationalisation of management, as well as management functions in multinational corporations, will offer employment opportunities all over the world.

### Courses

The Global Business major consists of eight courses: two 100-level courses, three 200-level courses and three 300-level courses. Courses selected at the 300-level for the major cannot be applied to any other qualification.

## Marketing

Develop the expertise to make the right marketing decisions for businesses, consumers, society and the environment. Become aware of the profession's social, ethical, moral and legal standards and their impact on society. You'll learn the concepts and tools to be a productive and responsible marketing professional.

### Courses

The Marketing major consists of seven courses: two 100-level courses, two 200-level courses and three 300-level courses. Courses selected at the 300-level for the major cannot be applied to any other qualification.

## Parks and Outdoor Recreation

The major in Parks and Outdoor Recreation is a multidisciplinary programme bringing together areas of social and ecological science to give a holistic approach to this field of study, equipping students for public and private sector roles in parks and reserves management, visitor services, recreation policy and planning or nature-based tourism.

### Courses

This major consists of eight courses, which is one-third of a 24-course degree. Courses selected at the 300-level cannot be applied to any other qualification.

### DOC Scholarship

The Department of Conservation (DOC) is offering a number of \$5,000 scholarships to talented Lincoln bachelor's degree students undertaking this major. DOC is looking for qualified individuals who can think and plan strategically for tourism on a landscape scale. DOC is also interested in graduates with multi-disciplinary skills in general management, working with iwi, whānau and hapū, visitor and facilities management and partnering skills to help DOC work with others to grow conservation. For more information and application details, visit [lincoln.ac.nz/scholarships](http://lincoln.ac.nz/scholarships)

## Supply Chain Management

New Zealand is becoming more dependent on long, complex and vulnerable global supply chains for both imports and exports. Gain a solid grounding in sustainable supply chain practices and the legal framework of global business and prepare to work in supply chain managerial roles within any land-based, manufacturing or service industry. Supply chain management is taught from a systems perspective, to add value to producers, distributors and consumers.

### Courses

The Supply Chain Management major consists of eight courses: two 100-level courses, three 200-level courses and three 300-level courses. Courses selected at the 300-level for the major cannot be applied to any other qualification.

## Tourism Management

A knowledge of tourism adds an extra level of expertise if you would like to work in a range of organisations charged with protecting the physical environment. To be more effective, planners, designers and developers need to understand the behaviour of tourists. Understanding the commercial differences of tourism compared with other sectors of the economy will be invaluable if you're studying for a business degree.

### Courses

The Tourism Management major consists of eight courses from the Bachelor of Sustainable Tourism (75 credits). In addition, there are a number of 'soft core' options (30 credits). Courses selected at the 300-level cannot be applied to any other qualification.

## Water Management

Water management is a particular challenge for New Zealand, given that the nation's primary and tourism sectors are underpinned by high-quality fresh water and ecologically sustainable waterways. Yet waterways are diminishing in quality and water is over-allocated in many sub-regions. Develop the water management knowledge and skills to enter a career in the water, land or environmental management sector.

### Courses

The Water Management major consists of eight courses, which is one-third of a 24-course degree. Courses selected at the 300-level cannot be applied to any other qualification.

# Choose an additional major

If you're studying for a Lincoln University bachelor's degree, you may be able to include an additional major, which will add depth to your qualification. Please speak to your course advisor to ensure you pick up the right courses for you.

This table will help you to work out which additional majors you can study within your chosen degree.

Degree	Accounting	Facilities Management	Economics	Environmental Management	Event Management	Finance	Global Business	Marketing	Parks and Outdoor Recreation	Supply Chain Management	Tourism Management	Water Management
Bachelor of Agribusiness and Food Marketing	●	●	✓	✓	✓	●	●	●	●	✓	✓	●
Bachelor of Agriculture	X	X	X	X	X	X	X	X	X	X	X	X
Bachelor of Agricultural Science	●	●	●	✓	●	●	●	●	●	●	●	✓
Bachelor of Commerce (Agriculture)	●	●	●	●	●	●	●	●	●	●	●	●
Bachelor of Commerce (Agriculture and Professional Accounting)	X	X	X	X	X	X	X	X	X	X	X	X
Bachelor of Commerce (Horticulture)	X	X	X	X	X	X	X	X	X	X	X	X
Bachelor of Land and Property Management	✓	■	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bachelor of Science (Animal Science major)	●	●	●	●	●	●	●	●	●	●	●	●
Bachelor of Science (Plant and Horticultural Sciences major)*	●	●	●	●	●	●	●	●	●	●	●	●
Bachelor of Viticulture and Oenology	●	●	●	●	●	●	●	●	●	●	●	●

✓ Additional major may be available   ● Seek course advice   ■ Additional major is included in degree   X Additional major is not available

# Missed out on University Entrance?

Look no further than our Certificate and Diploma in University Studies, which will lead you into a bachelor's degree programme.

The Certificate in University Studies (CUS) provides language, writing and study skills, along with concepts relating to communication and technology, mathematics, economics and environment. It can be completed fully online through new enhanced virtual courses.

Once you have successfully completed the certificate, you can transfer to the Diploma in University Studies (DUS).

The diploma takes you from a pre-degree stage to entry into the second year of a bachelor's degree. Depending on your entry qualifications, you can complete it in two or three semesters.

You'll develop your academic skills and study a range of courses from our bachelor's programmes.

➔ For more information visit [www.lincoln.ac.nz/cus](http://www.lincoln.ac.nz/cus) and [www.lincoln.ac.nz/dus](http://www.lincoln.ac.nz/dus)



# Careers

Employers are always on the hunt for Lincoln graduates and our degrees open doors. Learn about some of the career opportunities that could come knocking once you've finished studying.

## Agricultural/Horticultural Consultant Kaitohutohu Ahuwhenua

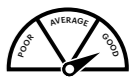
Agricultural/horticultural consultants advise farmers, growers and organisations on business, production and land management solutions.



This profile is abridged from the CareersNZ website. For a more detailed profile, visit [www.careers.govt.nz/jobs-database/farming-fishing-forestry-and-mining/agriculture-horticulture/agriculturalhorticultural-consultant/](http://www.careers.govt.nz/jobs-database/farming-fishing-forestry-and-mining/agriculture-horticulture/agriculturalhorticultural-consultant/)



Pay per year  
Graduate  
**\$50k-\$85k**  
Senior  
**\$85k-\$150k**



Job opportunities  
**Good**  
due to strong demand

### Pay

Pay for agricultural/horticultural consultants varies depending on experience and whether they work in the agriculture or horticulture sector.

- Agricultural/horticultural consultants with less than five years' experience usually earn between \$50,000 and \$85,000 a year
- Agricultural/horticultural consultants with more than five years' experience usually earn between \$85,000 and \$150,000.
- Self-employed agricultural/horticultural consultants' hourly rates range from \$100 to over \$150 an hour. Some earn more than \$150,000 a year.

### What you will do

Agricultural/horticultural consultants may do some or all of the following:

- Advise farmers and growers on how to improve the profitability, efficiency and sustainability of farm management systems
- Assist farmers and growers in developing and implementing business plans
- Advise on or oversee budgets, cashflow and production targets for clients
- Research and report on factors that affect crop production, pasture growth, and animal breeding
- Advise farmers and growers on fertiliser and nutrient use to improve productivity and environmental performance
- Investigate, plan and advise on methods for coping with the effects of pests and diseases and natural disasters such as floods
- Provide advice on compliance with current legislation such as the Resource Management Act
- Prepare property and environmental management reports for clients.

### Working conditions

Agricultural/horticultural consultants:

- May work irregular and long hours

- Work in offices and on clients' farms or orchards
- Work in all weather conditions
- May travel within New Zealand or overseas to attend conferences or visit clients, factories, banks or export marketing firms.

### Entry requirements

To become an agricultural/horticultural consultant you usually need a Bachelor's degree in one of the following:

- Agricultural or horticultural science
- Commerce
- Agribusiness
- Environmental science.

A driver's licence is usually required.

### Personal requirements

Agricultural/horticultural consultants need to be:

- Able to build and maintain relationships with a wide range of people
- Good communicators, with listening and public speaking skills
- Hard-working, friendly, patient and able to inspire confidence
- Good negotiators
- Skilled in analysis and decision making
- Skilled in planning, organising and problem solving
- Able to work under pressure with good time management skills.

### What are the chances of getting a job?

#### Shortage of agricultural/horticultural consultants

Chances of getting a job as an agricultural/horticultural consultant are good due to:

- Growth in the agricultural and horticultural sectors
- More consultants being required to service clients because of growth and change within the sectors
- A shortage of skilled workers
- Increased vacancies because of retirement and promotion.

Demand is likely to increase as farming and orchard systems become more sophisticated and farmers will need independent expert advice from agricultural/horticultural consultants.

#### Global trends influencing demand for specialist consultants

In the future, jobs in the agricultural and horticultural sectors will be more specialised than before. Reasons for this include:

- Emerging, sophisticated technologies
- A growing market in Asia for products
- Critical issues around food safety, biosecurity, sustainability, the environment and animal welfare.

Therefore, there is high demand for skilled consultants who can provide independent, qualified advice and analysis in these specialist areas:

- Nutrient budgeting and planning
- Farm and orchard environmental plans
- Resource consent applications
- Water quality monitoring and laboratory testing
- Wastewater and effluent testing and application modelling
- Geographic information system (GIS) mapping.

#### Types of employers varied

Agricultural/horticultural consultants can work for a range of organisations, including:

- Agricultural and/or horticultural consultancy firms
- Government agencies such as Pāmu (Landcorp)
- Iwi and Māori farming businesses
- Large businesses that own, manage or lease orchards or farms
- Rural servicing firms and fertiliser or dairy companies
- Specialist agricultural companies such as those involved in animal breeding or research.

Many agricultural/horticultural consultants are self-employed.

This information is a guide only.  
Last updated 30 July 2021

## Agricultural/Horticultural Scientist Kaipūtaiao Ahuwhenua

Agricultural/horticultural scientists study farm animals, soils, pastures and crops to improve growth, health and quality, and to prevent pests and disease.



This profile is abridged from the CareersNZ website. For a more detailed profile, visit [www.careers.govt.nz/jobs-database/farming-fishing-forestry-and-mining/agriculture-horticulture/agriculturalhorticultural-scientist/](http://www.careers.govt.nz/jobs-database/farming-fishing-forestry-and-mining/agriculture-horticulture/agriculturalhorticultural-scientist/)

### Pay

Pay for agricultural/horticultural scientists varies depending on qualifications, experience, and the type of work they do.

- Graduates with a doctorate usually earn \$65,000 to \$75,000 a year.
- After three to five years, agricultural/horticultural scientists usually earn \$75,000 to \$90,000.
- Senior agricultural/horticultural scientists may earn \$80,000 to \$150,000.

### What you will do

Agricultural/horticultural scientists may do some or all of the following:

- Research and advise on animal or plant diseases, pest control, and chemical use
- Develop better methods of managing farms and orchards
- Study the effects of agriculture and horticulture on the environment
- Oversee new projects and field research
- Research and write reports based on field study, and present results
- Share research findings with other scientists, companies and government agencies
- Write applications for research funding and manage budgets
- Train and supervise lab technicians, research teams and field workers
- Make sure all scientific work meets legal requirements.

### Working conditions

Agricultural/horticultural scientists:

- Usually work regular business hours. They may work irregular or longer hours when doing fieldwork and research
- Work in offices, laboratories and glasshouses, and on farms, orchards and nurseries
- May travel locally to talk to farmers and growers, and overseas to attend conferences or work on international research projects.

### Entry requirements

To become an agricultural/horticultural scientist, you need a doctorate in science in an area such as:

- Agricultural science
- Microbiology
- Biochemistry.

Agricultural/horticultural scientists in research positions usually apply for a postdoctoral fellowship after completing a doctorate.

You may need to do two or three postdoctoral fellowships (usually lasting two or three years each) before getting a permanent scientist position.

### Personal requirements

Agricultural/horticultural scientists need to be:

- Accurate
- Observant
- Organised
- Decisive
- Good at solving problems
- Good at communicating
- Practical
- Able to work well alone and in a team.

### What are the chances of getting a job?

#### Good demand for agricultural/horticultural scientists

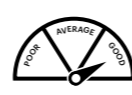
Growing demand means opportunities for agricultural/horticultural scientists are good.

According to the Ministry of Business, Innovation and Employment, the amount of work for scientists has been increasing. It is expected to grow significantly until 2023, and then continue growing at 1.8% per year until 2028.

According to the Census, 714 agricultural/horticultural scientists worked in New Zealand in 2018.



Pay per year  
Graduate  
**\$65k-\$75k**  
Senior  
**\$80k-\$150k**



Job opportunities  
**Good**  
due to strong demand

## Crop Farmer/Manager Kaiahuwhenua Huangakai/ Kaiwhakahaere Huangakai

Crop farmers/managers plan and manage plant production on farms and in vineyards and hothouses.



This profile is abridged from the CareersNZ website. For a more detailed profile, visit [www.careers.govt.nz/jobs-database/farming-fishing-forestry-and-mining/agriculture-horticulture/crop-farmer-manager/](http://www.careers.govt.nz/jobs-database/farming-fishing-forestry-and-mining/agriculture-horticulture/crop-farmer-manager/)

### Pay

Pay for crop farmers/managers varies depending on:

- Farm size
- Crop type
- Farm profitability, which may vary from season to season
- Prices received for the crops.

Crop farmers/managers with up to five years' experience usually earn between \$55,000 and \$110,000 a year.

Crop farmers/managers who work for large organisations can earn between \$120,000 and \$180,000.

### What you will do

Crop farmers/managers may do some or all of the following:

- Decide what crops to grow, and develop planting schedules
- Cultivate land
- Plant seeds and crops, and monitor growth
- Ensure crops are watered, fertilised and pruned, and are healthy
- Manage irrigation and frost protection
- Organise the harvesting, grading and packing of crops, and arrange for sale and transport
- Buy seed, fertiliser, machinery and other farm materials
- Check, clean and maintain equipment
- Train, organise and supervise workers and contractors
- Ensure that food safety, health and safety, and other regulations are complied with
- Keep production and financial records.

### Working conditions

Crop farmers/managers:

- Usually work between eight and ten hours a day, but during peak seasonal harvest and planting times may work longer hours, including weekends
- Work outdoors, or in glasshouses, nurseries, packhouses or offices
- Work in all weather conditions, with machinery and chemicals that can be dangerous
- May have to travel locally between crop fields and to markets or suppliers.

### Entry requirements

There are no specific entry requirements to become a crop farmer/manager as you gain skills on the job.

However, a New Zealand Certificate in Horticulture Production (Level 4) or a diploma or degree in horticulture may be useful.

### Personal requirements

Crop farmers/managers need to be:

- Good administrators, with business planning skills
- Good communicators and managers
- Able to work well in a team and under pressure.

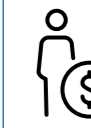
### What are the chances of getting a job?

#### High demand for crop farmers/managers

Demand for crop farmers/managers is increasing as the horticulture industry continues to grow.

Crop farmers/managers are particularly in demand because:

- There are not enough New Zealanders available to do the work
- The horticulture industry is expected to grow and increase its export revenue to over \$5 billion in 2023
- Farms are getting larger and more complex, and require advanced soil and crop management skills to achieve greater productivity.



Pay per year  
Graduate  
**\$55k-\$110k**  
Senior  
**\$120k-\$180k**



Job opportunities  
**Good**  
due to strong demand

Crop production/agronomist manager appears on Immigration New Zealand's regional skills shortage list. This means the Government is actively encouraging skilled crop farmers/managers from overseas to work in New Zealand.

### Types of employers varied

Crop farmers/managers may work for private farm owners, businesses or grower companies that may own one or more farms, including vineyards and nurseries.

Crop farmers/managers may also be self-employed and own their own farms.

This information is a guide only.  
Last updated 30 July 2021

## Orchard Farmer/Manager

### Kaipāmu Uru Hua Rākau/ Kaiwhakahaere Uru Hua Rākau

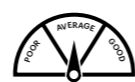
Orchard farmers/managers plan and manage fruit and nut production in orchards.



This profile is abridged from the CareersNZ website. For a more detailed profile, visit [www.careers.govt.nz/jobs-database/farming-fishing-forestry-and-mining/agriculture-horticulture/orchard-farmer-manager](http://www.careers.govt.nz/jobs-database/farming-fishing-forestry-and-mining/agriculture-horticulture/orchard-farmer-manager)



**Pay per year**  
Graduate  
**\$55k-\$110k**  
Senior  
**\$120k-\$180k**



**Job opportunities**  
**Average**  
due to consistent demand

#### Pay

Pay for orchard farmers/managers varies depending on:

- Orchard size
- Orchard profitability, which may vary from season to season
- Prices received for the fruit or nuts.
- Orchard farmers/managers with up to five years' experience usually earn between \$55,000 and \$110,000 a year.
- Orchard farmers/managers who work for large organisations can earn between \$120,000 and \$180,000.

#### What you will do

Orchard farmers/managers may do some or all of the following:

- Decide what fruit or nuts to grow
- Cultivate land and plan orchards
- Plant trees or shrubs, and monitor growth
- Ensure trees and shrubs are watered, fertilised and pruned, and are healthy
- Manage irrigation and frost protection
- Organise the harvesting, grading and packing of fruit or nuts, and arrange for sale and transport
- Buy seed, trees, fertiliser, machinery and other orchard materials
- Check, clean and maintain orchard equipment
- Train, organise and supervise orchard workers and contractors
- Ensure that food safety, health and safety, and other regulations are complied with
- Keep production and financial records.

#### Working conditions

Orchard farmers/managers:

- Usually work between eight and 10 hours a day, but during peak seasonal harvest and planting times may work longer hours, including weekends
- Work outdoors or in packhouses and offices
- Work in all weather conditions, with machinery and chemicals that can be dangerous
- May have to travel locally between orchards and to markets or suppliers.

#### Entry requirements

There are no specific entry requirements to become an orchard farmer/manager but a diploma or science degree in horticulture is recommended.

#### Extra requirements for chemical spraying

If your job requires agrichemical spraying you need a certificate from approved providers such as Growsafe.

#### Personal requirements

Orchard farmers/managers need to be:

- Good administrators, with business planning skills
- Good communicators and managers
- Able to work well in a team and under pressure.

#### What are the chances of getting a job?

##### Growing demand for orchard farmers/managers

Demand for orchard farmers/managers is increasing as the horticulture industry continues to grow.

Orchard farmers/managers are particularly in demand because:

- there are not enough New Zealanders available to do the work
- The horticulture industry is expected to grow and increase its export revenue to over \$5 billion in 2023

- Orchards are getting larger and more complex, and require advanced soil and orchard management skills to achieve greater productivity.

#### High competition for orchard farmer/manager positions

Staff turnover is low for orchard farmer/manager positions so competition can be high when vacancies arise.

However, it can still be difficult to find suitable people for orchard manager vacancies due to lack of experience and expertise.

According to the Census, there were about 4,500 fruit and nut growers (across all horticulture sectors) working in New Zealand in 2018.

#### Types of employers varied

Orchard farmers/managers can work for private orchard owners, businesses or grower companies that may own one or more orchards.

Orchard farmers/managers can also be self-employed and own their own orchards.

This information is a guide only.  
Last updated 9 April 2020

## Winemaker

### Kaihanga Waina

Winemakers make wine from grapes and other fruit.



This profile is abridged from the CareersNZ website. For a more detailed profile, visit [www.careers.govt.nz/jobs-database/manufacturing/manufacturing/winemaker/](http://www.careers.govt.nz/jobs-database/manufacturing/manufacturing/winemaker/)



**Pay per year**  
Graduate  
**\$42k-\$83k**  
Senior  
**\$89k-\$211k**



**Job opportunities**  
**Average**  
due to consistent demand

#### Pay

Pay for winemakers varies depending on experience, the type of work they do and the size of the winery and its region.

- Unqualified cellar hands usually earn from \$42,000 to \$46,000 a year.
- Qualified cellar hands usually earn from \$42,000 to \$52,000.
- Assistant winemakers usually earn from \$60,000 to \$83,000.
- Winemakers can earn between \$89,000 and \$136,000.
- Chief winemakers, who manage teams of winemakers, can earn between \$144,000 and \$211,000.
- Winemakers who buy into wineries and vineyards can increase their income.

#### What you will do

Winemakers may do some or all of the following:

- Discuss fruit quality and quantity with grape growers (viticulturists) throughout the growing season
- Develop new wine styles and improve the wine quality
- Process grapes to make wine
- Control fermentation and adjust wines as needed
- Ensure legal standards and specifications are met, such as alcohol level requirements in New Zealand or the country of export
- Filter, bottle and package the wine for sale
- Maintain winemaking equipment and machinery
- Manage winery workers
- Use software to track grape health and growth
- Record procedures, blends and inventories
- Market and sell wine.

#### Working conditions

Winemakers:

- Usually work a 40-hour week, but during harvest will often work up to 100 hours a week
- Work in a winery, winery laboratory, office or factory
- May also work outdoors in vineyards.

#### Entry requirements

There are no specific requirements to become a winemaker. However, employers often prefer you to have a qualification such as a:

- Graduate Diploma in Viticulture or Oenology
- Bachelor of Viticulture and Winemaking

#### Personal requirements

Winemakers need to have:

- Good communication skills
- An eye for detail
- Ability to problem solve and work under pressure
- Practical and creative skills
- Business, management and marketing skills.

#### What are the chances of getting a job?

##### Number of winemakers expected to grow

New Zealand wine has an excellent reputation, attracting tourists and creating export demand. The export value of wine has risen each year for the last decade and will likely reach \$2 billion annually by 2020. The number of wineries is increasing. From 2018 to 2019, 19 new wineries were established.

Due to industry growth, the number of winemakers is expected to increase by 3% each year until 2026.

#### Shortage of skilled winemakers

Employers report difficulty finding skilled winemakers, so your chances of securing a job are best if you have relevant experience.

Winemaker appears on Immigration New Zealand's regional skill shortage list. This means the Government is actively encouraging skilled winemakers from overseas to work in New Zealand.

#### Chances better in larger wine-producing regions

It can be hard to get an entry-level position or to progress from an assistant winemaker role. However, chances for entry-level roles are better in larger wine regions such as Marlborough, Central Otago and Hawke's Bay.

#### Most winemakers work for wineries or wine companies

Winemakers generally work for wineries or wine companies. They can work for small wineries, which make up 80% of New Zealand's total wine producers, or for large corporate producers.

This information is a guide only.  
Last updated 30 July 2021

# Growing careers

At Lincoln, growing the future is what we're all about. Meet some of our past students, who are well on their way to achieving their dreams.



## A student journey

**Kylie Lyders**  
South Otago, NZ

### **Bachelor of Agricultural Science**

Kylie Lyders was born to study at Lincoln. Growing up on a sheep and beef farm in South Otago and hailing from a close rural community, she had always wanted to come to a small, friendly campus.

"I met so many amazing people at Lincoln," she says. "It's like a big family and we had a really good year group. I will always value the friendships I made there."

Kylie's farming background made our flagship Bachelor of Agricultural Science the ideal programme for her.

Now working as a Rural Account Manager at ASB Bank, she also has ambitions to become an agricultural rep and help farmers to achieve their goals.

"But eventually, I see myself going back to the family farm," she says.

She found Lincoln's field trips especially beneficial in terms of growing her knowledge and she enjoyed lab work in the areas of animal, plant and soil sciences.

"I'm a hands-on person, so practical work gave me a better understanding of the course content."

She loved the extracurricular activities arranged by the Lincoln University Students' Association and helped out with Handy Landys – a group of students in the Canterbury area who give back to the rural community during times of stress and hardship.

"It was super fun and nice to be able to volunteer and help farmers and others around the community," she says.

When Kylie's not indulging her passion for farming, she's showcasing her athletic prowess on the world stage. As a talented aerobic gymnast, she has previously represented New Zealand at the FISAF World Championships in the Netherlands.

"As a Lincoln student, I often worked with the sports scholarship trainers at the LU Gym. They were really helpful and had a massive influence on my sport."

Kylie has high praise for Lincoln lecturers, who she describes as "really understanding and caring".

"They were always open to helping out when my sport clashed with my university work and were happy to juggle things to fit in with sporting trips if I was going to be away."



**Kylie says Lincoln helped her to grow by providing numerous opportunities.**



**I was exposed to so many different things that put me out of my comfort zone and allowed me to showcase my strengths.**





# Graduate pathways



**Laura Keenan**  
**Bachelor of Agricultural Science**  
**(First Class Honours)**

**Director, KS Agri**

After graduating with a Bachelor of Agricultural Science (First Class Honours), Laura Keenan moved straight into a position as a Farm Environmental Consultant at a soil consultancy company that services the South Island.

Partly due to the strong networks she developed at Lincoln, she was then headhunted for a role as an agronomist with Agricom, a position that involved recommending seeds, plants, grass and crops for specific businesses.

She is now a director of KS Agri, an agricultural consultancy which she co-founded and where she is also a senior consultant. It offers advice to farmers on nutrient management, freshwater farm plans, consent applications, auditing and facilitation.

Laura says her Lincoln degree thoroughly prepared her for these roles. "I found the agricultural and agribusiness courses really enjoyable and relevant to a future career. The research facilities are excellent as well. Completing a dissertation and research project also allowed me to grasp all elements of academic research and its importance in New Zealand agriculture."

Laura is now pursuing a PhD at Lincoln University, with a focus on improving the profitability and environmental outcomes of farm systems when using forage crops.

**Laura says her Lincoln degree thoroughly prepared her for a career in the primary sector.**



**I found the agricultural and agribusiness courses really enjoyable and relevant to a future career.**



**Kelsi Gough**  
**Bachelor of Agricultural Science**  
**(First Class Honours)**

**North Island Key Account Manager, FMG**

Lincoln's excellent reputation in the agricultural sector was a major reason why Kelsi Gough chose to study at the university. However, her decision was cemented when she heard a number of former students reminiscing fondly about their Lincoln days.

"This is what tipped the scales in favour of attending Lincoln over other universities offering similar courses," she says.

After graduating with a Bachelor of Agricultural Science (First Class Honours) Kelsi accepted a role in the graduate programme for FMG, which she describes as New Zealand's leading insurer.

"I am now the North Island Key Account Manager there, leading a dynamic team of sales people and account managers in the Auckland/Hauraki/Coromandel region."

She says the wide range of courses available at Lincoln offered invaluable preparation for her future career.

"As there aren't many prerequisites in the Agricultural Science degree, the direction you take is really up to you. During my four-year programme, I studied a diverse range of subjects, including soil, animal and plant sciences, farm management, law, economics and rural valuation."



**Len Ibbotson**  
**Bachelor of Viticulture and Oenology**

**Technical Services Lead (Horticulture), Syngenta Australia and New Zealand**

Len Ibbotson, originally from Hawke's Bay, chose to study for a Bachelor of Viticulture and Oenology, as the programme of study offered him the exact training he was looking for.

"Studying at Lincoln offered a good opportunity to travel to the South Island, which I wanted to do. It also made sense to study plants at a university with a strong land-based history," he says.

He was impressed with the choice and variety of courses available and says the lecturers and staff were enthusiastic, personable and very approachable.

Len says the most valuable aspect of his study was the balance between plant and wine science, and the practical wine and grape management tools he received.

"I have found that my degree is highly relevant to the wine-growing industry and provides sound theoretical knowledge, which enables recruitment and development," he says.

Len still keeps in touch with staff and friends from Lincoln and says he loved meeting many interesting people on campus.

# Practical information

## Practical work

Go beyond textbooks and the classroom and enjoy a range of practical learning opportunities as part of your degree.

Many of our programmes have a practical work component. It's considered a crucial aspect of study for some courses and offers experiences in a broad range of relevant careers.

You'll normally carry out practical work during summer breaks and it will be closely linked to the lecture material in your study programme. While it's your responsibility to find practical work placements, the Practical Work Coordinator can help by putting you in touch with employers who are already connected with us. You're strongly encouraged to seek out a diverse range of practical work opportunities.

### Why practical work?

Practical work will:

- Complement your studies and enhance the marketability of your qualification
- Give you a chance to experience new learning environments
- Expose you to the appropriate industry environment, including its technical, economic and social environments
- Teach you to perform a range of tasks specific to the industry environment including skills in observation, information gathering, data analysis, and report writing
- Equip you with more knowledge of industry employment opportunities.



For more information, please contact the Practical Work Coordinator at [practicalwork@lincoln.ac.nz](mailto:practicalwork@lincoln.ac.nz) or +64 3 423 0061. Ask for a practical work handbook.



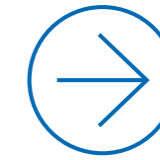
**I'm a hands-on person, so practical work gives me a better understanding of the course content.**

**Kylie Lyders**  
Bachelor of  
Agricultural Science



# Key Dates and Events

Here are some of the events you won't want to miss as you consider your Lincoln journey.



Make sure you go to [www.lincoln.ac.nz/key-dates](http://www.lincoln.ac.nz/key-dates) for more info and the exact dates these exciting events take place.



## Information Evenings

Head to a central city venue and enjoy nibbles and beverages as you chat with academics from our areas of specialisation, network with existing students and find out more about accommodation, scholarships and the student experience.



## Halls application start/finish and moving in

Live on campus and get the full Lincoln experience. Halls applications open on 1 August, first offers are sent in October, and move-in is in February.



## Hui Whakatuwhera Open Day

Spend an entire day touring our campus and learning why Lincoln University is such a great place to study. Attend subject presentations and have all your questions answered by our friendly lecturers and current students.



## Scholarship applications

We have hundreds of scholarships available, but Lincoln options like Tihi Kahuraki, Future Leader and Sports Scholarships open in May and close in August. You can check them all out on our website, see if you meet the criteria, and find out all the closing dates.



## Enrolments

Enrolments open in October but you can apply anytime. Once we have offered you a place and you have accepted then you can begin the enrolment process.



## Rā Whakawhanaukataka - Orientation Day

Rā Whakawhanaukataka-Orientation Day brings together our new students to celebrate the start of their Lincoln University journey.

You'll meet other students, learn what it means to belong to the Lincoln whānau and find out what to expect in your first lectures.

## Preparation Week

Preparation Week is the perfect time for new and existing students to get assistance with completing to-do lists (including enrolment) and find your way around campus before the start of lectures.



## Semester dates

Semester 1 starts in February and Semester 2 in July, and you can start your study in either (as long as your course or programme is offered then), as well as Summer School which starts in November and again in January.

## Apply and enrol

# Ready. Set. Grow.



Apply and enrol at

[www.lincoln.ac.nz/apply](http://www.lincoln.ac.nz/apply)

## Contacts

### Lincoln University Te Waihora Campus

Ellesmere Junction Road/Springs Road  
PO Box 85084, Lincoln University  
Lincoln 7647  
Canterbury, New Zealand

E: [grow@lincoln.ac.nz](mailto:grow@lincoln.ac.nz)  
P: 0800 10 60 10 (NZ)  
P: +64 3 423 0000 (International)

### Student Liaison Officers

Our Student Liaison team will be the first point of contact for you as a future student. They can give you all the information you need and answer any questions you may have about course planning, applying, or life at Lincoln, or they can refer you to an expert. The Student Liaison team also visits secondary schools and attends career expos in all regions.

E: [grow@lincoln.ac.nz](mailto:grow@lincoln.ac.nz)  
P: 0800 10 60 10  
P: +64 3 423 0000  
[www.lincoln.ac.nz/liaison](http://www.lincoln.ac.nz/liaison)

### Te Manutaki Office of Māori & Pasifika Development

The Māori and Pasifika team are here to support you on your educational journey, including study, scholarships, wellbeing and cultural support.

P: +64 3 423 0000  
E: [ompd@lincoln.ac.nz](mailto:ompd@lincoln.ac.nz)  
[www.lincoln.ac.nz](http://www.lincoln.ac.nz)

### Campus Tours

We offer personalised guided campus tours with an individualised itinerary so you can experience the parts of campus that interest you the most. Tours take about 60 minutes.

To book your tour, get in touch with one of our Student Liaison Officers. Send us your contact details along with a list of your interests and we'll be in touch.

### International Office

The International Office promotes and markets Lincoln University to prospective international students and works with its global network of education agents to provide high quality customer service.

We also support students with programme and course advice and help students through the University's applications and enrolment processes.

E: [international@lincoln.ac.nz](mailto:international@lincoln.ac.nz)  
P: 0800 10 60 10  
P: +64 3 423 0000  
[www.lincoln.ac.nz/international-office](http://www.lincoln.ac.nz/international-office)



View the Lincoln University campus map at [www.lincoln.ac.nz/map](http://www.lincoln.ac.nz/map)

**Disclaimer** Every effort is made to ensure that information in this publication is correct at the time of printing, but the content may be subject to change. Lincoln University reserves the right to make changes, amendments or deletions – including the withdrawal of courses – should circumstances change. Lincoln University does not assume, and hereby disclaims, any express or implied liability whatsoever to any party for any loss or damage caused by errors or omissions, whether these errors or omissions result from negligence, accident or any other cause. February 2024.

Follow us and keep up to date





**LINCOLN**

**UNIVERSITY**

TE WHARE WĀNAKA O AORAKI