

CAREERS FOR CHANGE Environment



Lincoln University

Te Whare Wānaka o Aoraki

AOTEAROA • NEW ZEALAND

New Zealand's specialist
land-based university



• **BE PART OF THE GENERATION THAT
WILL MAKE A CHANGE**



• WWW.LUGENERATION.CO.NZ

OUR MISSION



**The University has a mission to help:
feed the world, protect the future,
and live well..**

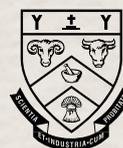
It is predicted that by 2050 the world's population will reach 9.2 billion people: this will create challenges that need solutions.

As the population grows, food supply and production will become key. So will sustaining the environment for future generations. As these two, potentially conflicting, concepts become increasingly pressing we will also want to be living well on our planet.

Lincoln University is a uniquely and deliberately specialised university finding solutions for these challenges.

To achieve our mission, Lincoln is positioned to work alongside industry, the community, and people from around the globe. The University's qualifications range from certificate level through to PhD - and our teaching and research covers all activity associated with the land-based sectors to meet the needs of not only New Zealand but also the world.

Lincoln students come from all over New Zealand and from more than 60 countries around the world. Once studies are completed, Lincoln graduates can be found around the globe making a difference.



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University**

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KIA ORA AND WELCOME



Whether you're looking at doing tertiary study for the first time, or adding to your educational achievements, you know the importance of selecting the right course of study and the right tertiary institution to carry out that study – the first step towards a future filled with opportunities.

Focusing on what you enjoy as well as your strengths is a good place to start to make the right decision for you. Think about what really interests you and why it interests you. What do you like about certain activities or environments? What skills do you already have or want to learn and use? What job would suit your personality? Are there a number of courses which match your preferences and skill set?

Once you've thought about what you might like to do, talking with friends and family who know you well is a good way to get perspective and narrow down the choices. Follow up by talking to a career advisor who can give you more information about various qualifications and how to achieve your career goals. Talking to people who have studied the subject you are interested in, or who are working in the field or job you are thinking about, can be really helpful and give you a realistic picture of what it will be like. It makes sense to decide what sort of job and lifestyle you want first, then work out what programme of study is best suited to make you employable in your chosen field.

Lincoln University offers a diverse range of programmes which prepare students for the demands of today's world. Course theory is underpinned by a practical focus which gives students valuable real world skills and experience. Our graduates move into the workplace with the knowledge and proficiency to be successful in a huge variety of careers all over New Zealand and the world.



Lincoln campuses

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Lincoln University has two South Island campuses: **Te Waihora** in Lincoln, Canterbury and **Telford** in Balclutha, Otago.

» Te Waihora campus (Lincoln, Canterbury)

Situated on 58 hectares of green space, the University offers modern teaching on this beautiful, established campus. Facilities include a comprehensive library, IT labs, free car parking, large dining hall and function centre, café and bar, a printery, a travel agency, banking services and excellent sporting facilities.

With a student population of 3500, from over 60 different countries, Lincoln University is an easy place to make friends. On-campus accommodation is home to around 600 students during the University year, including catered halls of residence, self-catered residential halls and student housing. For those living off-campus, there are regular bus services to and from central Christchurch.

Find out more: www.lincoln.ac.nz

» Telford campus (Balclutha, Otago)

The Telford campus is our smaller campus and one of New Zealand's largest land-based vocational training providers. Located near Balclutha in South Otago, it is based on a 921-hectare commercial farm, offering real farming experience for live-in students. Telford offers practical training in agriculture, rural vet technician practices, dairying, stock and station, equine studies, forestry, horticulture, and apiculture (beekeeping).

Find out more: www.telford.ac.nz

NEW ZEALAND



Why study environment?

RANKED #13
SMALL UNIVERSITY
IN THE WORLD
BY QS RANKINGS 2015



The world population is growing rapidly, with the prospect of reaching 10 billion by the middle of this century. At the same time that population is changing, with growing wealth and a burgeoning middle class in some of the world's fastest developing countries. That evolving demand is putting greater pressure for resources on an already stretched environment – one that is being transformed through environmental concerns, such as urbanisation, resource depletion, loss of biodiversity, air and water pollution, and climate change.

Lincoln University is the foremost specialist university in land-based issues. Studying environment with us means seeing and understanding the bigger picture, and focusing on some of the largest and most complex problems the world faces today. Our real-world focused subjects include Environment and Society, GIS and Environmental Informatics, Land and Society, Māori and Indigenous Environmental Management and Water Management.

You'll be learning from some of the very best researchers and lecturers in this field and accessing the most up-to-date industry knowledge. Our emphasis on real-world application means Lincoln University environment graduates are ready to take on any challenge and are immediately employable.

Students also develop transferable skills during their qualification, including time management, and communication and IT skills, which are fundamental in any workplace. This prepares graduates for employment in a broad range of industries and sectors, and a wide range of career opportunities.

This book explores undergraduate options in the field of environment, and some of the pathways that our graduates have taken to get them where they are today. It is designed to show you pathways and opportunities you can take, and assist you in making the right choice for your future. To see the full range of qualifications on offer, visit: www.lincoln.ac.nz

What are your choices?

Depending on interests, time, and current qualifications, you can choose from the University's undergraduate certificate, diploma or degree programmes through to postgraduate level courses.



Programmes on offer for environmental studies:

Conservation and Ecology			B			M	PhD
Environmental Policy and Planning				H		M	PhD
Environment and Society			B				
Environmental Management			B	H	PG		
Forestry	C						
GIS			B				
Land and Property Management			B				
Landscape Architecture			B	H	PG	M	PhD
Māori and Indigenous Environment			B				
Natural Resources		D					
Tourism Management			B	H	PG	M	
Water Management			B		PG	M	

Note: Qualifications change from time to time, if you don't see the programme you are interested in please contact Student Liaison on 0800 10 60 10.

C Certificates

These are excellent entry qualifications for people who would like comprehensive introductory information, don't have University Entrance, or who are coming back to University and would like to prepare for further study.

D Diplomas

These are one-year programmes that focus on particular areas of interest.

B Bachelors' degrees

In most cases, the bachelor's degree allows you to follow the path you want, mixing optional subjects with papers that are core requirements.

Undergraduate qualifications usually commence in semester one (February), but it is often possible to start in semester two (July) depending on the qualification selected.

Lincoln University also offers a wide range of single or multi-disciplinary further study or research opportunities for those looking for highly respected postgraduate qualifications. Please view the Postgraduate prospectus or visit: www.lincoln.ac.nz

H Honours degrees

These offer the opportunity for those with high academic results to complete a fourth year of study on completion of their bachelor's degree.

PG Postgraduate and graduate certificates and diplomas

These allow you to transfer from another area of study to gain skills in an area of interest, or build on the bachelor's degree or equivalent already gained.

M Masters' degrees

These enable you to develop a thesis in a chosen area or undertake taught qualifications. They are the highest pre-doctorate qualification.

PhD Doctor of Philosophy (PhD)

These are available in most of the disciplines in which the University offers postgraduate studies. This is a further three years' study and a thesis on top of a Master's or Honours degree.

Best preparation for environment studies

If you are still at school, we highly recommend you take subjects that are relevant to your chosen course of study to make the most of your time at Lincoln University.

The table below shows you the subjects you should consider at school if you are thinking of pursuing the qualifications listed. It is also a good way of finding out what you might want to study if you are interested in particular school subjects.

	ACCOUNTING	AGRICULTURE/ HORTICULTURE	ART/HISTORY/ CLASSICS	BIOLOGY	CHEMISTRY	COMPUTING	ECONOMICS	ENGLISH	GEOGRAPHY/ SOCIAL STUDIES	GRAPHICS/ DESIGN	MĀORI/TE REO	MATHS/ STATISTICS	PE/OUTDOOR ED	PHYSICS	TOURISM
BES - GIS AND ENVIRONMENTAL INFORMATICS						Useful			Useful			Useful			
BES – LAND AND SOCIETY								Recommended	Recommended			Recommended			
BES – MĀORI AND INDIGENOUS ENVIRONMENTAL MANAGEMENT									Recommended						
BES - WATER MANAGEMENT				Recommended	Useful		Useful	Recommended	Recommended						
BACHELOR OF ENVIRONMENTAL MANAGEMENT									Recommended		Recommended				
BACHELOR OF ENVIRONMENTAL POLICY AND PLANNING (HONS)							Useful		Recommended			Useful			
BACHELOR OF LAND AND PROPERTY MANAGEMENT							Useful	Useful	Useful			Useful			
BACHELOR OF LANDSCAPE ARCHITECTURE			Useful			Useful		Recommended	Useful	Useful					
BSC - BIOPROTECTION AND BIOSECURITY				Useful	Useful	Useful						Useful		Useful	
BSC - CONSERVATION AND ECOLOGY				Useful	Useful	Useful						Useful		Useful	
BSC - LAND, WATER, ENVIRONMENT				Useful	Useful	Useful						Useful		Useful	
BSC - MĀORI AND INDIGENOUS KNOWLEDGE OF THE ENVIRONMENT				Useful	Useful	Useful						Useful		Useful	
BACHELOR OF TOURISM MANAGEMENT						Useful					Useful				Useful
DIPLOMA IN NATURAL RESOURCES			Useful			Useful	Useful	Recommended	Recommended						
CERTIFICATE IN FORESTRY		Useful						Recommended							

 Recommended subjects.  Useful subjects.

Lincoln University and Climate Change



The University's commitment to sustainability and climate change issues is apparent in our teaching and research, from cutting edge research around climate change, asking questions about adaptation and evolution in changing environments and a changing climate, to mitigating the impact of agriculture on the planet.

So if the global challenges of how to feed the world, protect the future and live well mean something to you, or climate change is on your radar, then you have found the university for you.

The details

Here is just a quick snapshot of our world-leading climate change research and educational initiatives, from detailed scientific studies on the mitigation of greenhouse gas emissions to alternative fuels and climate-resilient tourism.

1. Lincoln University is a partner in the NZ Agricultural Greenhouse Gas Research Centre (NZAGRC), a partnership between leading New Zealand research providers working in the agricultural greenhouse gas area. <http://www.nzagrc.org.nz/nitrous-oxide.html>
 2. Lincoln University hosts the National Centre for Nitrous Oxide Measurement, part of the NZAGRC. The Centre can process more than 1000 nitrous oxide samples a day, making it one of the best specialist facilities of its type in the world.
 3. Lincoln University contributes to the Global Research Alliance on Agricultural Greenhouse Gases which has 46 member countries. The Alliance focuses on research, development and extension of technologies and practices to grow more food (and more climate-resilient food systems) without growing greenhouse gas emissions. <http://globalresearchalliance.org/about/>
 4. Lincoln University is involved in reducing greenhouse gas emissions on the farm by exploring the possibility of renewable fuel. The latest excitement is over Japanese grass *Miscanthus x giganteus*. <http://bioprotection.org.nz/news/can-farmers-help-address-climate-change>
 5. Climate change has the potential to both increase New Zealand's attractiveness to tourists and undermine some of its core attractions. Lincoln University is involved in research projects around protecting and growing the tourism industry and developing adaptation strategies.
 6. Lincoln University has established a nationwide Global Challenges Programme and Scholarships in response to challenges facing the planet today, including climate change, food production and security, depleting resources, urban sprawl, the loss of biodiversity, and pollution.
 7. Lincoln University's academic staff are actively involved in teaching, researching and publication around climate change issues, as well as being involved on committees and boards dedicated to exploring climate change.
 8. Lincoln University co-hosts the Waterways Centre (with the University of Canterbury) dedicated to improving New Zealand's waterways. Lincoln University undertakes extensive research on Banks Peninsula and elsewhere with respect to species conservation, and we host New Zealand's only Bio-Protection Research Centre.
- To find out more, please talk to us.





Our programmes

10 Bachelor of Environment and Society

GIS and Environmental Informatics
Land and Society
Māori and Indigenous Environmental Management
Water Management

14 Bachelor of Environmental Management

16 Bachelor of Environmental Policy and Planning (Hons)

18 Bachelor of Land and Property Management

22 Bachelor of Landscape Architecture

26 Bachelor of Landscape Architecture (Graduate entry)

28 Bachelor of Science

Bioprotection and Biosecurity
Conservation and Ecology
Land, Water, Environment
Māori and Indigenous Knowledge of the Environment

32 Bachelor of Tourism Management

34 Diploma in Natural Resources

36 Certificate in Forestry

- Lincoln University's bachelor degrees include three LINC courses. These are common to all the degrees and give students a broad global understanding of issues impacting the future of the planet, as well as core learning skills necessary for University study.

LINC 101

Land, People and Economies

An introduction to the many perspectives involved in the use, management and stewardship of land, underpinned by the consideration of land as a resource, and the conflicts and tensions over land use and ownership. A range of topical issues are studied.

LINC 102

Research and Analytical Skills

An introduction to research, its role and function in the production and communication of knowledge. An introduction to critical thinking and the tools and techniques used in evidence-based decision-making and mathematics, statistics, and computing skills.

LINC 201

Sustainable Futures

An advanced discussion on sustainability issues in a global framework. This interdisciplinary course focuses on global sustainability with reference to social, environmental, cultural and economic aspects of sustainability.

BACHELOR OF Environment and Society

www.lincoln.ac.nz/BES



DURATION:

3

Years

TAUGHT AT:



Te Waihora campus
(Lincoln, Canterbury)

INTAKE:

Semester 1 Semester 2

1

2



Lincoln University's Bachelor of Environment and Society (BES) prepares students to tackle the big issues around how we live on this planet. The world is changing. Resources are dwindling and the population is growing. This creates increasing pressure on food security, fresh water, ecosystems and indigenous culture. How do we increase productivity in the land-based industries while reducing negative impacts on the environment?

Our graduates will gain a broad skill-set to tackle today's sustainability and land-use issues. Through your specialist major, you will be able to critically analyse and work towards solving global issues – the issues that really matter as our world changes.

The BES has four majors: GIS and Environmental Informatics, Land and Society, Māori and Indigenous Environmental Management, and Water Management.

Entry requirements:

- University Entrance through NCEA, or an approved equivalent qualification.
- If English is not your first language other entry requirements will apply.

Refer to www.lincoln.ac.nz for more information.

Recommended preparation:

GIS and Environmental Informatics: Geography would be useful. Mathematics/Statistics and Computing are not essential but may be beneficial.

Land and Society: Social Studies, Mathematics and English would be useful.

Māori and Indigenous Environmental Management: Māori Studies, Te Reo and Environmental Studies would be useful.

Water Management: Biology, Chemistry, Social Studies, Geography and Economics would be useful.



Programme structure:

- Pass at least 360 credits (24 courses)
- Pass all compulsory courses
- Complete no more than 165 credits (11 courses) at 100 level
- Complete at least 75 credits (5 courses) at 300 level
- Meet the requirements of at least one of the named Bachelor of Environment and Society majors.

Majors:

GIS and Environmental Informatics

The GIS and Environmental Informatics major gives students the opportunity to use GIS and informatics to explore the nature of information, information processing and information systems - through their application to environmental issues. You will include courses on environmental analysis, applications of GIS, data management, and computer application development. You will gain the theory and skills for applying a range of technologies to 'real world' problems.

Career outcomes

Examples of roles this programme will prepare graduates for are: GIS analyst, GIS consultant, GIS developer, geospatial specialist, GIS database administrator.



We are New Zealand's specialist land-based university. Land is a key influencer for any economy. Choosing to study with us puts you in touch with so many career options.

BACHELOR OF ENVIRONMENT AND SOCIETY

(continued)



Land and Society

The Land and Society major covers social, environmental, individual and cultural issues relating to land and society. Graduates will have developed a multi-disciplinary appreciation of the theory and methods for understanding the interaction of people, societies and their physical environments, and will have gained skills in applying that theory to significant 'real world' problems. High achieving graduates will be equipped to continue to postgraduate study in at least one area of special interest.

Career outcomes

Career opportunities for graduates of this programme exist in both local and central government roles, from planning to policy development, advice and analysis; regional plan construction and implementation; data analysis, interpretation and communication; Te Tiriti o Waitangi engagement, partnership and compliance; and water management, or some combination of any or all of these.

Opportunities exist in the private sector within resource planning, allocation, use and sustainability; land use and change and societal changes and dynamics.

Māori and Indigenous Environmental Management

The Māori and Indigenous Environmental Management major is founded on the notion that Māori and other indigenous communities have a unique association with their traditional places, environments and resources. These associations bring with them customary knowledge, concepts and approaches and a cultural framework for engaging with the environment which continue to be used to manage interactions. However, modern-day communities are being forced to rethink their interactions with the natural world in the increasingly complex political and economic context of nation states and globalisation.

A graduate of this major will have examined these challenges, investigated how Māori and indigenous





communities are responding to them, and be equipped with the knowledge and skills to engage confidently, professionally and (in a cultural sense) competently with these communities. Graduates will have the conceptual frameworks and applied skills needed to manage and advocate across a myriad of environmental and related social, political and economic issues.

Career outcomes

Graduates of the Māori and Indigenous Environmental Management major will be well-placed to engage with the Māori economic and cultural sector, which was measured at over NZ\$40 billion last year, and is one of the country's fastest growing economies. Graduates will find employment working for and working with the 15% of NZ farmers who are Māori, the Māori-owned tourism sector and with post-settlement iwi authorities, rūnanga offices and Māori-owned commercial operations.

Water Management

The Water Management major gives students the powerful combination of understanding public policy and planning in New Zealand as well as the interconnection between the biophysical, social, cultural and economic aspects of water. Graduates will have knowledge and skills grounded in the sciences and be able to apply their knowledge and skills to water resource management issues to contribute to developing appropriate management strategies and approaches. This perspective will be situated within a range of socio-cultural settings including those of indigenous peoples.

Career outcomes

Career options include working with regional councils, industry groups, advocacy groups, government departments, consultancy firms in developing strategies to manage the precious water resource.

As our world changes, we need highly skilled individuals who can tackle the big issues.

>> PROGRAMME CONTACTS



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LAND AND SOCIETY

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BACHELOR OF Environmental Management

www.lincoln.ac.nz/BEM



DURATION:

3

Years

TAUGHT AT:



Te Waihora campus
(Lincoln, Canterbury)

INTAKE:

Semester Semester

1

2



The Bachelor of Environmental Management (BEM) is an excellent choice for students who enjoy looking at the 'big picture' and have a passion for making places better, safer and healthier.

Formerly known as the Bachelor of Environmental Management and Planning, this three-year, industry-proven multi-disciplinary degree gives graduates the skills and knowledge they need to practise informed environmental management in a broad range of industries and sectors.

You will be able to distinguish between environmental management principles, methods and tools, and apply them in varying contexts, from the city streets to rural land. You will learn how to describe and explain how societies design social, economic, legal and ethical institutions to better manage the environment. Whether you are interested in water, conservation, natural hazards, or urban issues, this degree enables you to structure an individual programme of study that will suit you.

Entry requirements:

- University Entrance through NCEA, or an approved equivalent qualification.
- If English is not your first language other entry requirements will apply.

Refer to www.lincoln.ac.nz for more information.

Recommended preparation:

Geography, Social Studies and Natural Sciences are useful but not essential.

Programme structure:

- Pass at least 360 credits (24 courses)
- Pass all compulsory courses
- Complete no more than 165 credits (11 courses) at 100 level
- Complete at least 75 credits (5 courses) at 300 level.

Accreditation:

The BEM provides a good academic background for gaining professional certification from the New Zealand Association for Resource Management (NZARM) and the Environmental Institute of Australia and New Zealand (EIANZ).

Note: BEM is not in itself an accreditation.



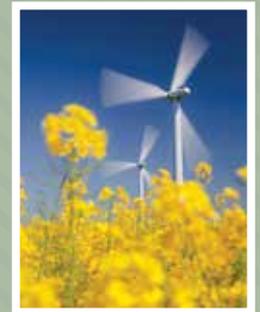
Career outcomes:

This three-year degree has a flexible structure, combining core courses with a choice of related electives opening up a wide range of career options from businesses and industries, local and central government or private consultancies with interests in development, sustainability, conservation or resource management.

Programme content

Content can include topics such as:

- Economies and Markets
- Land, People and Economies
- Society, Culture and Environment
- Introduction to New Zealand Government and Public Policy
- New Zealand Ecology and Conservation
- Land Surfaces, Water and Structures
- Chemistry
- Introduction to Earth and Ecological Sciences
- Soil Science
- Environmental Analysis
- Principles of Urban and Regional Planning
- Sustainable Futures
- Biological Diversity
- Ecology and Behaviour
- Environmental Monitoring and Resource Assessment.



>> PROGRAMME CONTACTS



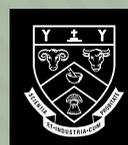
Suzanne Vallance

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STUDENT LIAISON TEAM

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BACHELOR OF Environmental Policy and Planning with Honours

www.lincoln.ac.nz/BEPP

DURATION:

4

Years

TAUGHT AT:



Te Waihora campus
(Lincoln, Canterbury)

INTAKE:

Semester Semester

1

2



As part of Lincoln University's commitment to the sustainable transformation of land, people and economies, we've developed two specialist degrees that offer multi-disciplinary education in the theory, methods and practices of environmental management and prepares graduates for employment in a broad range of industries and sectors: the BEM (see page 14) and the Bachelor of Environmental Policy and Planning.

Lincoln's four-year Bachelor of Environmental Policy and Planning with Honours is an excellent choice for students who want to play a key role in making places better, safer and healthier.

This degree gives students the knowledge and tools they need to understand and address important local and global issues; the preparation needed to become a leader in identifying key issues and options for action, and the skills to better plan for the environment in a range of contexts, from the city street to the rural hinterland.

You will attain a sound understanding of complex relationships between gender, culture, ethnicity and equity and the implications these have for environmental policy and planning. You will also be able to make evidence-based decisions in multi-disciplinary contexts, and make a real contribution to processes that lead to sustainable outcomes.

Entry requirements:

- University Entrance through NCEA, or an approved equivalent qualification.
- If English is not your first language other entry requirements will apply.

Refer to www.lincoln.ac.nz for more information.

Recommended preparation:

Geography and Social Science are useful but not essential.

Programme structure:

- Pass at least 480 credits (32 courses)
- Pass all compulsory courses
- Complete no more than 165 credits (11 courses) at 100 level
- Complete at least 75 credits (5 course) at 300 level
- Complete at least 120 credits at 600 level.



Accreditation:

The Bachelor of Environmental Policy and Planning with Honours is accredited with the New Zealand Planning Institute (NZPI); this gives graduates an edge in the workplace and ensures our programme is relevant, responsive and professional.

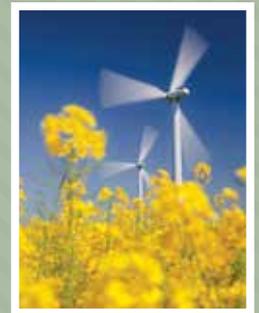
Career outcomes:

Graduates will attain an in-depth understanding of environmental policy and planning at city/district, regional and central government levels, and will be prepared for employment in associated professions, industries and sectors.

Programme content

Content can include topics such as:

- Land, People and Economies
- Research and Analytical Skills
- Society, Culture and Environment
- New Zealand Government and Public Policy
- New Zealand Ecology and Conservation
- Land Surfaces, Water and Structures
- Earth and Ecological Sciences
- Soil Science
- Introduction to Property
- Environmental Analysis.



>> PROGRAMME CONTACTS



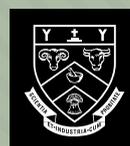
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STUDENT LIAISON TEAM

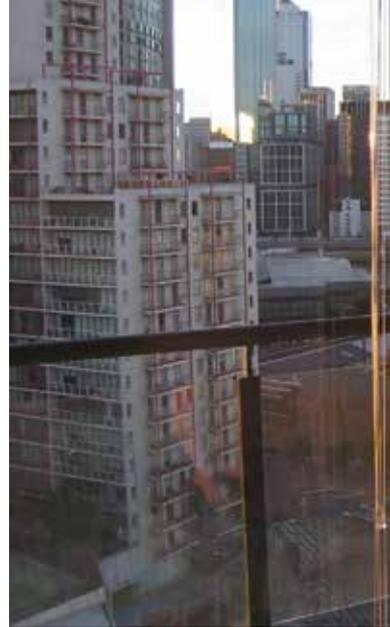
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03 423 0000

BACHELOR OF Land and Property Management

www.lincoln.ac.nz/BLPM



DURATION:

4

Years

TAUGHT AT:



Te Waihora campus
(Lincoln, Canterbury)

INTAKE:

Semester Semester

1

2



Lincoln University's Bachelor of Land and Property Management (BLPM) is the most comprehensive property-focused degree in Australasia. It gives students the option to study an urban or rural specialisation, or both – or to combine property studies with an additional area of focus such as accounting, finance, investment, planning, environmental management, geomatics or marketing. We call this 'property plus'. There is also the possibility of spending a semester or two at a university overseas.

This unique programme provides graduates with a well-rounded knowledge-base upon which to begin any property career, whether in New Zealand or internationally. The BLPM degree maintains the long established accreditation of Lincoln University property courses with national professional bodies such as The Property Institute of New Zealand, the Valuers Registration Board, the Institute of Valuers, and the Real Estate Agents Authority.

The degree also adds an international dimension by being fully accredited with the Royal Institution of Chartered Surveyors via a university partnership agreement. This means BLPM graduates can now qualify to become Chartered Surveyors as well as the more traditional roles as Registered Valuers and Registered Property Managers.

Entry requirements:

- University Entrance through NCEA, or an approved equivalent qualification.
- If English is not your first language other entry requirements will apply.

Refer to www.lincoln.ac.nz for more information.

Recommended preparation:

Geography, Economics, English and Maths are all useful preparation but not essential.



Programme structure:

- Pass at least 480 credits (32 courses)
- Pass all compulsory courses
- Complete no more than 210 credits (14 courses) at 100 level
- Complete at least 150 credits (10 courses) at 300 level
- Complete the requirements of either the Urban or Rural specialisation
- Complete the practical work component.

Practical work:

Urban specialisation

12 weeks in the following areas:

- Valuation
- Property Management
- Real Estate
- Construction - a maximum of 6 weeks only.

Rural specialisation

12 weeks in the following areas:

- Valuation
- Property Management
- Real Estate
- Construction - a maximum of 6 weeks only.

Plus 26 weeks on-farm practical work on two different farm types.



BACHELOR OF LAND AND PROPERTY MANAGEMENT

(continued)



Accreditations:

Royal Institution of Chartered Surveyors (RICS); The Property Institute of New Zealand; The New Zealand Institute of Valuers; and The Valuers Registration Board.

Career outcomes:

Property provides the foundation and resources for virtually every part of our daily lives, from where we live to where we work, socialise, learn, and play. It contributes enormously to worldwide economies as a valuable asset base and a foundation for production requiring development, maintenance and renewal.

Graduates of the urban property specialisation are prepared for a very wide range of careers including: valuation, property, facilities and asset management, property development, investment and portfolio analysis, real estate brokerage and banking and finance, to name just a few.

Careers with a rural property specialisation include farm and other rural property management, rural banking and finance, valuation, and property development. Careers with an agricultural focus will include farm consultancy and rural valuation, or these pursuits can be uniquely combined: for example, agribusiness consultancy and valuation is a popular and highly valued pathway.

Programme content

Urban specialisation

Content can include topics such as:

- Land, People and Economies
- Research and Analytical Skills
- Transforming Data into Information
- Financial Information for Business
- Economies and Markets
- Introduction to Commercial Law
- Computing Fundamentals
- Building Construction
- Introduction to Property
- Sustainable Futures
- Land Economics
- Buildings Facilities Management
- Financial Management
- Property Law
- Principles of Urban Property Management
- Real Estate Marketing and Management
- Principles of Valuation
- Resource Management Law
- Property Analytical Methods
- Property Investment and Portfolio Analysis
- The Valuation of Investment Property
- Urban Valuation
- Property and Facilities Management
- Property Development.



\$428b
NZ PROPERTY ASSETS

Programme content

Rural specialisation

Content can include topics such as:

- Land, People and Economies
- Research and Analytical Skills
- Transforming Data into Information
- Financial Information for Business
- Economies and Markets
- Introduction to Commercial Law
- Building Construction
- Primary Industry Systems
- Plant Science
- Soil Science
- Introduction to Property
- Sustainable Futures
- Land Economics
- Financial Management
- Property Law
- Real Estate Marketing and Management
- Principles of Rural Valuation
- Principles of Farm Management
- Horticultural Systems
- Farm Management Analysis
- Horticultural Management Analysis
- Resource Management Law
- Farm Management Analysis and Planning
- Farm Development and Investment
- New Venture Planning in Primary Production
- Property Analytical Methods
- Property Investment and Portfolio Analysis
- The Valuation of Investment Property
- Rural Valuation.

>> PROGRAMME CONTACTS



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BACHELOR OF Landscape Architecture

www.lincoln.ac.nz/BLA



DURATION:

4

Years

TAUGHT AT:



Te Waihora campus
(Lincoln, Canterbury)

INTAKE:

Semester Semester

1

2



Lincoln University's Bachelor of Landscape Architecture (BLA) is taught by the School of Landscape Architecture (SoLA) - the longest established school of its type in New Zealand and staffed by internationally-acclaimed academics.

The Lincoln University BLA is accredited by the New Zealand Institute of Landscape Architects (NZILA) meaning graduates are eligible to become registered professionals who are highly sought after within both public and private sectors throughout New Zealand, Australia and internationally. In addition to providing an in-depth foundation in all aspects of landscape architecture, Lincoln's BLA programme specialises in: landscape and urban ecology, resilient landscape design, sustainable communities, structure planning, urban landscapes and indigenous Māori landscape design.

The BLA can be awarded with honours to those students who achieve a sufficiently high standard in their fourth year courses.

To find out more about Lincoln University's School of Landscape Architecture, we recommend you request a copy of the SoLA Year Book 2015.





At SoLA, we work together to understand and imagine the potential of landscape. It's a vibrant mix of design, ecology, planning, field tours and real-world projects.

KESS ALEKSANDROVA

*Bachelor of Landscape Architecture (Honours)
Landscape Architect at Rough and Milne
Landscape Architects (RMLA)*

Kess was offered a full-time position as a landscape architect during her final year of study at Lincoln University, and also won a number of national and international landscape architecture/urban design awards. She is currently employed as a landscape architect at Rough and Milne Landscape Architects (RMLA).

"I have had a lifelong passion for nature and ecosystems, art and social sciences, so landscape architecture was a perfect match, and Lincoln is internationally recognised for producing excellent graduates in landscape architecture.

"Having some very passionate, incredibly gifted and globally renowned lecturers and tutors has definitely made my studies more enjoyable, as well as adding to the overall 'homely' atmosphere of the University.

"I would not have come as far as I have if it were not for the support and enthusiasm of the staff of the School of Landscape Architecture."

Entry requirements:

- University Entrance through NCEA, or an approved equivalent qualification.
- If English is not your first language other entry requirements will apply.

Refer to www.lincoln.ac.nz for more information.

Recommended preparation:

Courses in Fine Arts, Geography, or Ecology would be useful but not essential.

Programme structure:

- Pass at least 480 credits (courses and studios)
- Pass all compulsory courses
- Completion of practical work component
- Attendance at compulsory field tour.

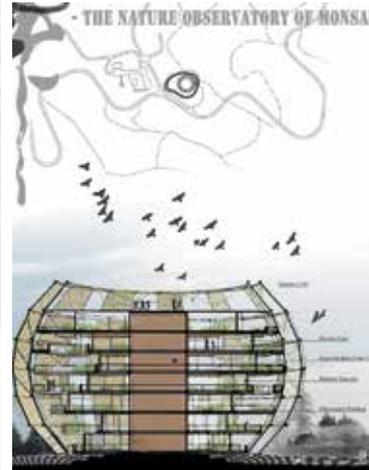
Practical work:

- Not less than 6 weeks in an approved office-based professional practice
- Not less than 3 weeks in an approved aspect of landscape implementation
- Three weeks applied practice in LASC 393 - Practicum: Applied Landscape Practice.



BACHELOR OF LANDSCAPE ARCHITECTURE

(continued)



Career outcomes:

Lincoln University has an international reputation for excellence in landscape architecture. Our graduates are employed all over the world because of their strength in design and planning, their ability to think, and the real world experience they gain during their study.

Please request a copy of our yearbook for information about our alumni (former students) and where they are now or visit: www.lincoln.ac.nz/yearbook





Programme content

Content can include topics such as:

- Digital Tools for Design
- Introduction to 3D Design
- Visual Communication
- History of Design and Culture
- Land Surfaces, Water and Structures
- Land, People and Economies
- Research and Analytical Skills
- Introduction to Earth and Ecological Sciences
- Landscape Planting Practice
- Planting Design and Management
- Landscape Analysis, Planning and Design
- Site Design
- Design Details
- Landscape and Culture
- Sustainable Futures
- Design Theory
- Landscape Ecology
- Innovative Design
- Sustainable Design and Planning
- Landscape Assessment and Planning
- Professional Practice
- Complex Design
- Major Design.

FACTS

**FIRST
AND OLDEST**
LANDSCAPE ARCHITECTURE
PROGRAMME IN NEW ZEALAND

RECOGNISED AS ONE OF THE
BEST
LANDSCAPE ARCHITECTURE
PROGRAMMES IN THE
WORLD

OUR GRADUATES ARE
SOUGHT AFTER
AROUND THE
GLOBE

>> PROGRAMME CONTACTS



Andreas Wesener

Course Advisor
Lecturer

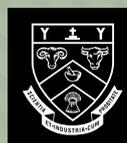
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BACHELOR OF Landscape Architecture (Graduate Entry)

www.lincoln.ac.nz/BLAGrad

DURATION:

2

Years

TAUGHT AT:



Te Waihora campus
(Lincoln, Canterbury)

INTAKE:

Semester Semester

1

2



Lincoln University's Bachelor of Landscape Architecture (Graduate Entry) is an option for people who want to study Landscape Architecture and already have a bachelor's degree. Students taking the BLA (Graduate Entry) option can complete their programme in two years.

The degree is taught by the School of Landscape Architecture - the longest established school of its type in New Zealand and staffed by internationally-acclaimed academics. The BLA is accredited by the New Zealand Institute of Landscape Architects meaning graduates are eligible to become registered professionals who are highly sought after within both public and private sectors throughout New Zealand, Australia and internationally. Lincoln University has an international reputation for excellence in Landscape Architecture. Our graduates are employed all over the world because of their strength in design and planning, their ability to think, and the real world experience they gain during their study. In addition to providing an in-depth foundation in all aspects of landscape

architecture, Lincoln's BLA programme specialises in: landscape and urban ecology, resilient landscape design, sustainable communities, structure planning, urban landscapes and indigenous Māori landscape design.

Entry requirements:

- Completion of an undergraduate degree.
- Demonstration of design ability.

Refer to www.lincoln.ac.nz for more information.

Recommended preparation:

Courses in Fine Arts, Geography, or Ecology would be useful but not essential.

“

My favourite part of the programme so far is the range of tutors we have available to offer us individual help.

”

Jane Ge
BLA (Grad) student



Accredited by:



NEW ZEALAND INSTITUTE
OF LANDSCAPE ARCHITECTS



Programme structure:

- Pass at least 300 credits (courses and studios)
- Pass all compulsory courses
- Complete the practical work requirement
- Attend the multi-day field tour.

Practical work:

No less than three weeks of landscape implementation.

Programme content

Content can include topics such as:

- History of Design and Culture
- Introduction to Earth and Ecological Sciences
- Planting Design and Management
- Landscape Analysis, Planning and Design
- Design Details
- Landscape Ecology
- Sustainable Design and Planning
- Landscape Planting Practice
- Design Theory
- Landscape Assessment and Planning
- Professional Practice
- Complex Design
- Major Design.

On field trips you'll go where the action is: we often align field trips onto significant conferences or environmental issues, or we explore key issues in sites that matter.



“

I've really enjoyed the courses on design theory and history, they have been incredibly thought provoking.

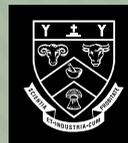
”

*Rachel Walton
BLA (Grad) student*

>> PROGRAMME CONTACTS



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BACHELOR OF Science

www.lincoln.ac.nz/BSc

DURATION:

3

Years

TAUGHT AT:



Te Waihora campus
(Lincoln, Canterbury)

INTAKE:

Semester 1 Semester 2

1 2



As our world changes, we need highly skilled individuals who can tackle the big issues. How do we feed the world while minimising environmental impact? How do we protect our environment from biological threats? How do we maintain good environmental quality? These are the pressing questions facing scientists of the future. As a Lincoln University Bachelor of Science (BSc) graduate, you can help answer them.

Lincoln University's Bachelor of Science programme is applied and context-based designed to produce graduates who have a firm grounding in the basic sciences. These can be applied to processes in the environment, ecosystems or at the molecular level. This will contribute to sustainable management and conservation of land, water and air and the country's natural resources.

This degree has seven majors to choose from: Agritech, Bioprotection and Biosecurity, Conservation and Ecology, Food Science, Individual, Land, Water, Environment and Māori and Indigenous Knowledge of the Environment.

Entry requirements:

- University Entrance through NCEA, or an approved equivalent qualification.
- If English is not your first language other entry requirements will apply.

Refer to www.lincoln.ac.nz for more information.

Recommended preparation:

A good grounding in the science subjects from school: Chemistry, Physics, Biology, Mathematics/Statistics. Computing is a useful option too.

Programme structure:

- Pass at least 360 credits (24 courses)
- Pass all compulsory courses
- Complete no more than 165 credits (11 courses) at 100 level
- Complete at least 75 credits (5 courses) at 300 level
- Meet the requirements of at least one of the named Bachelor of Science majors.



Majors:

Bioprotection and Biosecurity

The Bioprotection and Biosecurity major focuses on providing students with an understanding of the organisms that may damage plants and animals, and how to manage them. Students will develop the skills and knowledge to identify these organisms, and to understand their biology, ecology and epidemiology. You will learn pest risk assessment methods and modern methods of managing these organisms within New Zealand farming and conservation systems.

You will also learn about the role of New Zealand and international regulatory agencies that oversee biosecurity methods, including topics in plant protection, human and animal health, food safety standards and agreements that protect international biodiversity.

Lincoln University is the sole provider of this type of degree and has the greatest concentration of bioprotection and biosecurity researchers in New Zealand. The Lincoln University lecturers have strong research links with external agencies and the national Bio-protection Research Centre is located at the University.

Career outcomes

Graduates from this major can expect to find careers as a consultant for the agricultural and horticultural industries and primary industry groups such as NZ Winegrowers, Horticulture NZ and DairyNZ, a biosecurity officer or advisor for the Ministry for Primary Industries, a biosecurity advisor for government departments such as Department of Conservation, Ministry of Health, EPA, or technical and research roles within the agritech industry and the Crown Research Institutes.

ERIN MCILLMURRAY (NEE QUINN-WALSH)

*Bachelor of Science (Hons)
Strategy Analyst, Livestock Improvement
Corporation (LIC), Hamilton*

Erin Mcillmurray was always fascinated by science and enjoyed studying biology at Lincoln High School. "I really like to explore the world, concepts, ideas – anything and everything. I like to experiment to find out why things do or don't work, and I love problem-solving."

Erin's passion led her to study for a Bachelor of Science at Lincoln University. She graduated with Honours and started working at Livestock Improvement Corporation as a Research Assistant. Erin was able to apply her Honours research directly to her role. "I was involved in developing the breeding scheme for LIC's subsidiary, Deer Improvement. My honours project was in deer reproduction, and my courses provided me with a good base understanding of epigenetics. This was an excellent first role for me to have."

When the opportunity arose to progress to a Strategy Analyst role, Erin was prepared. "My science degree meant that I could translate 'science' to others in the business and look at data and deriving stories which others can understand."

Erin's advice for prospective students is that a science degree can lead to many different opportunities. "A science degree doesn't mean that you have to work in science for the rest of your life. While getting a science job is a good place to start, a science degree teaches you a way of thinking that will be invaluable for the rest of your career."



BACHELOR OF SCIENCE

(continued)



Conservation and Ecology

The Conservation and Ecology major focuses on giving you the practical skills, experience, and industry connections you will need to contribute to ecological and conservation activities of government and private agencies in New Zealand and beyond. Our courses include hands-on field trips and laboratories as well as weekly lectures. Courses in the first year will provide a solid grounding in the biological sciences – biology, ecology, plant and animal sciences. Practical-based courses will integrate the different focus areas of your degree at both second and third year levels. Practical experience is also available through optional paid summer scholarships working with ecologists and conservationists and third year research placements.

At Lincoln you'll study with one of the most experienced groups of ecological researchers in a New Zealand university. Lincoln University's expertise in conservation and ecology includes wildlife biology, entomology, plant ecology, urban ecology, restoration ecology, biosecurity, evolutionary biology, vertebrate and invertebrate pest management, and weed management – which are reflected in second and third year course options.

Career outcomes

Conservation and Ecology graduates have gained employment in ecology, conservation, nature restoration, and wildlife biology in a wide range of organisations, including local and regional councils, the Department of Conservation, Fish and Game, the Ministry of the Environment, the Ministry for Primary Industries, Landcare Research, environmental consultants, non-governmental conservation organisations, and universities. Others have continued their studies at postgraduate level and gone on to careers all around the world.

Land, Water, Environment

The Land, Water, Environment major of Lincoln's Bachelor of Science focuses on the science behind the soil-water-biophysical landscape; their interactions and their effects on the environment. The science taught is applied. For example, you learn about the chemistry of nitrogen in the context of the N cycle, nitrate leaching, the dynamics of nitrous oxide gas emissions and its contribution to greenhouse gasses. Take this major if you are interested in environmental science and would like to work in a job connected with the sustainable management of the land resource. Graduates of this major have the skills to work in multidisciplinary teams addressing real-world environmental challenges.

Courses in the first year provide a solid grounding in the sciences – chemistry, biology, environmental physics, earth science, soil science. These disciplines progress through the second and third years to focus on soil science, biogeochemistry and climate science, geomorphology and soil resources, water science. A capstone course at the 300-level uses problem-based learning and group work in the context of real-world environmental problems to apply the concepts and practical skills learnt in this major.

Career outcomes

Likely employment areas are: land and water resource science, irrigation technology development, climate change mitigation and management, groundwater and critical zone monitoring and modelling, bioremediation and restoration of degraded land, wetland chemistry and management, research, teaching, environmental policy for government, and environmental advocacy.

Potential employers include: local and regional governmental organisations, land-based primary production industries, irrigation companies, the Ministry for Primary Industries, the Department of Conservation, Forest and Bird, the Ministry for the Environment, environmental consulting organisations, Crown Research Institutes, and educational providers.

Māori and Indigenous Knowledge of the Environment

The Māori and Indigenous Knowledge of the Environment major examines the foundation of science and Māori and Indigenous people's knowledge frameworks. Students will explore the associated values and processes, comparing and contrasting their application to natural resource management and development.

This major facilitates fostering a better understanding and relevance of the Treaty of Waitangi, tikanga and kawa Māori, and kaupapa Māori approaches.

Graduates of this major will have a philosophical understanding of indigenous knowledge and an appreciation of the cultural-political landscape as contextual drivers for the application of science.

Career outcomes

Graduates of the Māori and Indigenous major will be well-placed to engage with the Māori economic and cultural sector, which was measured at over NZ\$40 billion last year, and is one of the country's fastest growing economies. Graduates can expect find employment working for and working with the 15% of NZ farmers who are Māori, the Māori-owned tourism sector and with post-settlement iwi authorities, rūnanga offices and Māori-owned commercial operations.

They would be expected to find employment opportunities with New Zealand science providers, eg Crown Research Institutes and universities, Māori entities like iwi organisations, large incorporations and trusts with development and environment agendas. Career prospects also exist within local and regional governmental, and Central Government organisations and agencies who have a range of legislative and Treaty of Waitangi obligations; the land-based primary production sector; environmental consulting organisations; educational providers in the primary, secondary and tertiary sectors. Furthermore, pathways exist for postgraduate study and research is also an option for qualifying students.

“

Lincoln is right at the cutting edge in this new era of research. Studying at Lincoln meant I could be part of that exciting research initiative.

”

Bachelor of Science student

>> PROGRAMME CONTACTS



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BACHELOR OF Tourism Management

www.lincoln.ac.nz/BTM



DURATION:

3

Years

TAUGHT AT:



Te Waihora campus
(Lincoln, Canterbury)

INTAKE:

Semester Semester

1 2



Lincoln University's Bachelor of Tourism Management is part of an internationally established programme of study that has been taught at Lincoln for more than 20 years.

Tourism (domestic and international) is one of New Zealand's and the world's most rapidly growing industries and there is an increasing demand for university graduates who have a specialised understanding of the requirements of this diverse and exciting sector.

The Bachelor of Tourism Management is a specialised programme which provides students with skills and knowledge of the characteristics and management of the tourism sector. The programme focuses on tourism in relation to people and places as well as businesses and has been designed in consultation with industry.

Completing your Lincoln University programme specialising in tourism management means you'll have a qualification with strong theoretical and applied learning that gives a broad understanding of the industry at all levels, and trains you for positions of responsibility and management.

Entry requirements:

- University Entrance through NCEA, or an approved equivalent qualification.
- If English is not your first language other entry requirements will apply.

Refer to www.lincoln.ac.nz for more information.

Recommended preparation:

Any of the following subjects would be useful but not essential: Computing, Economics, Geography, Mathematics, and Tourism.

Programme structure:

- Pass at least 360 credits (24 courses)
- Complete all compulsory courses
- Complete no more than 165 credits (11 courses) at 100 level
- Complete at least 75 credits (5 courses) at 300 level.

Career outcomes:

The Bachelor of Tourism Management equips students with the knowledge and skills to take on a multitude of managerial, planning, business leadership, advisory or research roles within the industry. Career opportunities in tourism-related industries include: hospitality and hotel management, transport, tourism operations, attractions and activities, conservation and environmental management, ecotourism and agritourism.



Tourism = 15%
OF NZ'S TOTAL EXPORT EARNINGS

A qualification in tourism management also provides students with highly transferable skills which can be applied within a range of private and public sector roles. Private sector opportunities include: tourism/destination marketing, event management, tourism consultancy, and human resource advisors. Public sector roles at the national, regional and local levels include: policy analyst, researcher, market analyst, destination planning/management, and tourism product development.

Programme content

Content can include topics such as:

- Land, People and Economies
- Research and Analytical Skills
- Society, Culture and Environment
- Introduction to New Zealand Government and Public Policy
- Introduction to Tourism
- The Global Business Environment
- Economies and Markets
- Sustainable Futures
- Tourism Systems
- Tourist Behaviour
- Research Methods
- Recreation and Tourism in Protected Natural Areas.

ELIZABETH PITCORN (NEE HOGG)

*Bachelor of Tourism Management
Cirrus International Marketing and Promotions
Marketing and Promotions Consultant*

Elizabeth graduated with a Bachelor of Tourism Management and is now the Marketing and Promotions Consultant at Cirrus International – a tourism, marketing and event management organisation she co-founded.

Cirrus contracts to a number of organisations, including Selwyn District Council, and Elizabeth works with tourism operators, travel agents, local tourism organisations and community groups, promoting Selwyn District to a range of visitors.

“I wouldn’t be where I am today if it wasn’t for Lincoln University. I knew I wanted to be involved in the tourism industry but the degree programme I mapped out also gave me the opportunity to specialise in marketing, which I could use in any industry.

“The way the degree was structured gave me the opportunity to work in the real world and interact in the industry – it’s not just textbooks at Lincoln.”



>> PROGRAMME CONTACTS



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DIPLOMA IN Natural Resources (Level 5)

www.lincoln.ac.nz/DipNatRes



DURATION:

1
Year

TAUGHT AT:



Te Waihora campus
(Lincoln, Canterbury)

INTAKE:

Semester Semester

1

2



The Diploma in Natural Resources (DipNatRes) allows students to complete courses from six different degrees. This flexible programme gives students a solid grounding in the field of natural resources and is an ideal introduction to further study.

Entry requirements:

- University Entrance through NCEA, or an approved equivalent qualification.
- If English is not your first language other entry requirements will apply.

Refer to www.lincoln.ac.nz for more information.

Career outcomes:

Students can use the qualification for entry level roles in planning and other environmental sectors.

Programme content

Select your eight courses (120 credits) at the 100 or 200 level from the:

- Bachelor of Environment and Society
- Bachelor of Environmental Management
- Bachelor of Environmental Policy and Planning (Honours)
- Bachelor of Landscape Architecture
- Bachelor of Sport and Recreation Management
- Bachelor of Tourism Management.

>> PROGRAMME CONTACTS



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CERTIFICATE IN Forestry (Level 3)

www.telford.ac.nz/CertFor



DURATION:

1

Year

TAUGHT AT:



Telford campus
(Balclutha, Otago)

INTAKE:



February



The Certificate in Forestry will equip you with the practical knowledge and skills that are required for the forestry industry, especially silviculture and harvesting.

The forestry programme is an extremely worthwhile course, which has been developed and refined over a 10 year period by logging experts at the Telford campus, in conjunction with the latest forestry techniques and equipment.

It has a strong practical focus and is designed to provide a broad understanding of the industry. You can expect to spend the majority of your time away from the Telford campus, working with the tutor and trainers in local forests, and with forestry crews throughout Otago. As part of the course, you'll also complete seven weeks of work experience.

Entry requirements:

Applicants must:

- Be aged 16 years or over
- International students must be 18 years or over
- Have completed three years of secondary education
- Demonstrate a keen interest in forestry
- Be proficient in English.

Programme content

The following courses are mandatory:

- Chainsaws – forestry
- HSE requirements in forestry
- Working in forestry.

Students will choose two of the following electives:

- Introduction to breaking out
- Introduction to forest establishment
- Introduction to landing operations
- Introduction to pruning plantation trees.

And two from the following electives:

- Knowledge of forest harvesting
- Selecting and felling plantation trees
- Thinning plantation trees.



FORESTRY

\$5 billion
ANNUAL GROSS
INCOME TO NZ

3%
OF NZ'S GDP

Career outcomes:

On successful completion of this programme graduates will be able to work competently in harvesting or silviculture operations, at the operator level in supervised roles. All graduates will have the opportunity to expand and/or progress their forestry career through further study.

As a graduate of the Certificate in Forestry you are extremely employable. Many of our students are offered jobs while undertaking their work experience at the end of the course. We have a 99% employment success rate with graduates from this course.



>> PROGRAMME CONTACTS



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“
**Where are
Lincoln
University
graduates?**



KATHRYN COLLINS

Bachelor of Environmental Management; Master of Resource Studies
Specialist, Water, Environmental Strategy and Policy Department, Auckland Council

Even though Kathryn Collins is from Auckland, having attended Diocesan School for Girls, her mother, aunt and two brothers also studied at Lincoln University. With a natural love of the outdoors, at school, Katie was involved in strong, environmentally focused educational programmes. “These programmes were where my interest in learning more about the environment was fostered, which led me to studying for the Bachelor of Environmental Management.”

While at Lincoln, Katie’s interest in the environment turned specifically towards water usage, quality and quantity, and freshwater ecology. “I’m also interested in how Māori cultural values interact with ecology and natural resource planning. Upon completing my thesis, I applied for jobs in freshwater policy and monitoring, and my qualifications helped land my current role.”

Katie, a freshwater specialist at Auckland Council, has worked with the Auckland Plan Natural Environment Chapter, Unitary Plan and on the National Policy Statement for Freshwater Management in Auckland.

Katie enjoyed Lincoln’s practical, real world curriculum and working as an elected official of the Lincoln University Students’ Association (LUSA).

JESSICA SAMUALS

Bachelor of Environmental Management and Planning
Planner, Beca

Jessica Samuels is the first person in her family to go to university. She was introduced to Lincoln University when a Liaison Officer visited her high school, Matamata College.

Jess chose Lincoln for several reasons: good reputation, small class size and pretty campus, but most importantly, because of their involvement in science and environmental planning courses.

“Planning is a great career for people who want to be involved in shaping New Zealand, as planning incorporates environmental, social, cultural and economic factors that influence the way we live. If you enjoy Geography, Science or English, planning conjoins these subjects to make decisions about the urban and rural environments.”

While studying at Lincoln, and before joining Beca, Jess took on four internships over the summer and winter breaks. Two internships were with NIWA on an eel restoration project in the Waikato River, one was with the Raukawa Trust, and the fourth was with the Waikato River Authority.

“Apply for any internship in any field for as much experience as possible – be prepared to get your hands dirty,” Jess says.

At Lincoln, Jessica remembers being encouraged to succeed and having the support of lecturers and friends from all walks of life.



JASON TAIAROA

Diploma in Agriculture; Bachelor of Environmental Management and Planning

Technical Support Officer, pest operations, Nga Whenua Rahui, Te Kaha

After attending Taumarunui Alternative Education High School in the King Country, Jason Taiaroa was introduced to Lincoln University by his Koro. Jason attended Open Day, which solidified his decision to attend Lincoln, and hasn't looked back since.

Being brought up in a culturally Māori environment, Jason chose to further his understanding of the land and the environment by studying Agriculture and Environmental Management and Planning.

“The BEMP taught me western-based science and methods to add to my Māori background. Combining this with an understanding of a ‘Māori world view’ is essential when dealing with the environment.”

Jason has worked full-time in farming and has been involved with conservation initiatives since he was 15 years old. He formed relationships with a number of organisations before starting university, and studying has given him further practical experience in the field, and theoretical knowledge to plan, implement and manage projects. He is now managing the planning, controlling and monitoring of various projects, including predator-free kokako sanctuaries.

To new students, Jason suggests you get involved in as much as you can, as he did, e.g. Te Awhioraki, the Māori Students' Association, Lincoln University Rugby, being a class representative and more.



RACHAEL PULL

Bachelor of Environmental Management; Postgraduate Diploma in Resource Studies

Policy Planner, Wanganui District Council

Former Lincoln student Rachael Pull grew up on a farm just outside Thames and says the University's rural location made her feel at ease.

“I love the land-based philosophy at Lincoln. The different classes had a common theme that helped me to develop an overall perspective for my future.”

Rachael currently works for the Wanganui District Council as a Policy Planner, which involves reviewing the District Plan and undertaking other processes, such as developing guidance notes for the public.

After completing her bachelor's degree, she decided that she wanted a course approved by the New Zealand Planning Institute, so she went on to study for a postgraduate diploma. “The postgraduate work felt like the missing piece of the puzzle that drew the different areas of my bachelor's degree together.”

Her favourite aspects of the course involved on-site case studies that were used to illustrate theories, because they helped her to understand the real-world processes involved with planning.

Above all, she says her experience at Lincoln was life-changing for the better. “I believe that out of all the possible places I could have chosen to study, I made the right choice.”



RUTH MARKHAM SHORT

*Master of Environmental Policy
Development Manager, Modus Group*

Ruth Markham Short finished her studies in 2013, gaining a Master of Environmental Policy, and went on to work as a planner in the Resource Consents Unit at the Christchurch City Council. She is now a development manager for a small property development company. "I'm glad I decided to study here and continue to live in Christchurch," she says. "The city has so much to offer."

She decided to attend Lincoln because she wanted to further her education in resource management and environmental policy. "Lincoln offered the best course options for this," she says.

"We were encouraged to take charge of our own study and to share ideas to help develop each other's understanding of the course subject, but always with assistance readily available from enthusiastic and approachable lecturers."

Ruth appreciated the range of facilities on campus, saying they covered the "full scope of student needs, including health and welfare, hospitality and even an organic vegetable cart". She says the collegial spirit and sense of community really stands out for her when she looks back on her time at Lincoln.

"Students may be from different parts of the world, but the small campus and class sizes allow for firm friendships to form, enhanced by common interests in their respective areas of study."



SAMANTHA READ

*Bachelor of Science (Ecology and Conservation) and
(Bioprotection and Biosecurity)
Research Technician, Plant and Food Research*

Samantha Read attended St. Margaret's College in Christchurch, where she heard of Lincoln University and chose it because of its "small, close-knit community that offers lots of extra tuition, if required, with lecturers who care about your progress." She also expressed that Lincoln has a lot of choice for specialties that are not offered at other universities.

Samantha attributes her background knowledge and work experience gained from her studies at Lincoln University to leading her into her current role at Plant and Food Research as a molecular technician. "In this role, I use molecular diagnostic techniques to determine the presence of insect or plant diseases."

Some of the important skills Samantha gained while at Lincoln were the abilities to "design and set up robust, unbiased experiments, write scientific reports and journal articles to publishing standard, and give presentations more confidently."

The most enjoyable aspects of her studies were the 'hands-on' laboratories and field trips she participated in while at Lincoln. "You may not know exactly what you want to study straight away, but after taking a variety of courses, it does become clear what you are most interested in. The more time and effort you put into study, the greater the rewards are for the future."



CHRIS CHEN

Bachelor of Landscape Architecture

Senior Landscape Architect, Pocock Design Environment

Originally from China, Jianxi says his time at Lincoln University was the most challenging and one of the most rewarding times of his life. "I had the most challenging five years of my life at Lincoln University, which probably also turned out to be the most important five years, as the new environment enabled me to change my way of living, thinking and studying completely. I had lots of fun, while also putting in a lot of hard work."

Jianxi says his degree helped him to approach landscape design from a new perspective. "One of the most valuable aspects of my study was the need and ability to think 'large scale' in landscape architecture. This has helped me immensely in my current role, as I am practising larger scale landscape design now."

"I also really enjoyed the freedom of managing my own time beside compulsory classes and studios."

"My time at Lincoln University changed me completely. I was given back the confidence as a student that was lost during my middle and high school study back in China."



CHRISTINA PAINTING

Bachelor of Science (Conservation and Ecology) (Hons); Doctor of Philosophy (PhD)

Post-doctoral Fellow, University of Auckland

Christina Painting was a student at Auckland's Birkenhead College with a particular interest in organic horticulture, when a careers advisor told her about Lincoln University. After a stint travelling the South Island and volunteering on farms, Chrissie realised she had a more general interest in science and ecology.

"This led me to choose the Bachelor of Science majoring in Ecology and Conservation. I have always been passionate about plants and animals, and this was a great way to combine my love of being outdoors in the bush with the possibility of a career."

During her studies at Lincoln, Chrissie became increasingly interested in scientific research, insects and their behaviour. After completing her degree with First Class Honours, she was able to expand on her interests by studying towards a PhD, which led to her current role at the University of Auckland.

"I've started a post-doctoral position with Greg Holwell, looking at weapon diversity in Neopilionid harvestmen (a very crazy looking group of arachnids). I also lectured in Behavioural Ecology last year and I'm co-supervising several honours and master's students working on insect behaviour."

Lincoln's emphasis on practical work and getting out into the field has set Chrissie in good stead for her career in science.



STEVEN PAWSON

Bachelor of Parks, Recreation and Tourism Management; Bachelor of Science (Conservation and Ecology); Master of Applied Science
Entomology Research Leader, Scion

Stephen Pawson attended Inglewood High School, and was initially drawn to Lincoln University to study for the Bachelor of Parks, Recreation and Tourism Management. While he was studying, he discovered an interest in conservation and ecology and opted to conjointly study a Bachelor of Science.

“The conjoint programme was very valuable, in that it gave huge breadth to my undergraduate studies, which has given me many skills to draw on in my current career.”

Stephen furthered his study at Lincoln University with a Master of Applied Science, following which he pursued a PhD. He landed as an Entomology Research Leader with Scion, where he manages a research team working on forest pest species.

Reflecting on the importance of Lincoln University’s “small and intimate” campus, Stephen recommends that students experience the culture by living in Lincoln, or nearby. It is something he regrets not doing.

SARAH HUNT

Bachelor of Environmental Management (Policy and Planning); Master of Applied Science
Planner, Environment Canterbury

Sarah Hunt attended Hamilton Girls’ High School before she began her tertiary studies. Her brothers had studied at Lincoln University, but Sarah had her own reasons for choosing Lincoln.

“I got a Lincoln University summer scholarship, enabling me to work at Environment Canterbury for a summer. The assignments I completed and the work experience I did, stood me in good stead for getting a career in resource management, and in particular, water management.”

Sarah enjoyed the practical assignments such as presenting evidence in front of an environment court judge, the field trips — going to the West Coast to analyse soil profiles, which showed evidence of how the landscape formed — and the social life at Lincoln the most.

Now Sarah works with the Ashburton Water Zone Committee to develop water quantity and quality limits in the Hinds Catchment, assisting planners in developing regional plans for water management, and organising workshops.

“Resource management is a growing industry, and skills and experience in this field are in demand. It is so diverse that you could work in any area from water management, to resource economics, to agricultural management. Once you are in the field, it is easy to move about to find the area that you really enjoy.”



HALEY FARMER

Bachelor of Landscape Architecture
Landscape Architect, Darby Partners

Having completed a Bachelor of Landscape Architecture in 2015, Haley Farmer now works at Darby Partners in Queenstown, where she applies her hard-earned skills and knowledge to high-end, large-scale master planning projects.

She says that Lincoln University's landscape architecture degree sets students up well for their future careers, allowing them to hit the ground running when they graduate.

"Studying at Lincoln was a great experience. The degree covers a wide range of topics, including development planning, design and project management. A lot of time was spent in the studio and on field trips, learning the application of design.

"We also took papers on ecology, planning, Māori culture, earth science and sustainability, so it was a really well-rounded programme.

The large scope of the landscape architecture vocation means professionals need to draw on a wide range of skills in order to succeed in the industry."

She says the field is continuing to evolve and that she witnessed changes taking place in the industry even throughout her four years of study.

"I found there was more and more focus on the sustainability of cities, global interest in the environment and the quality of urban life in big cities increasing."

Lincoln's global network

Once you have successfully completed your studies at Lincoln University, you become what is known as an alumnus (male), alumna (female) or alumni (plural) of the University, meaning a former student.

You will be part of a global community of alumni, able to connect with each other, staff, former staff, and friends of the University.

All students who have completed a course of study are automatically members of the Lincoln University Alumni Association and membership is free. Visit: www.alumnilinc.lincoln.ac.nz



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Employment opportunities

www.lincoln.ac.nz

CAREERS IN ENVIRONMENT



Graduates of Lincoln University find employment throughout New Zealand and the world, in both the rural sector and urban centres, in a wide range of commercial, government, research and private enterprises.

If you're interested in protecting our natural environment, there are plenty of options in this wide ranging sector. Environmental management, science and planning degrees develop your understanding of environmental and resource management practices and develop subject-specific, technical and more general transferable skills for a range of careers.

Skills you will be able to offer an employer include: research and problem solving; competence in developing arguments from scientific, ethical and philosophical perspectives; ability to plan and manage projects; ability to gather, analyse and communicate technical data to others; flexibility to work in all kinds of environments, developed through field-work experience; numerical and IT skills, developed through the application of statistics and measurement techniques; a broad understanding of local, national and global environmental issues.

Employment opportunities are varied and can be found in a range of sectors: agriculture and horticulture, air and water quality, consents and planning, conservation and ecology,

corporate social responsibility, consultancy, environmental assessment, education and engineering, irrigation, research, restoration, sustainability, water management, land management and waste management.

There are increasing opportunities in agriculture helping farmers keep up-to-date with compliance and the regulatory requirements around taking responsibility for the environment by farming sustainably.

The environmental sector has seen an increase in renewable energy, contaminated land, flood risk management and energy management jobs. There are increasing global opportunities for ecologists with field identification skills to monitor biodiversity and climate change.

Companies across all sectors are employing more people than ever in environmental management and sustainability positions, and using environmental consultancies for public relations and corporate social responsibility.

Lincoln University has a Careers and Employment office that can provide you with support and guidance as you navigate your way through your career choices.

To find out more about the opportunities in environmental careers contact:

michelle.ash@lincoln.ac.nz

Planning your study and applying

www.lincoln.ac.nz

You can apply online using our MyLinc system through the University website but before you do make sure you have done a bit of homework.



Take some time to decide what level of study best suits you and your abilities and aspirations, as well as to better understand how study is structured at Lincoln University.

There are a lot of options and study levels progress from level 4 to level 10. Most of our undergraduate bachelor's degree students start directly into the first year of their degree - but if you feel you need to upgrade your academic skills, your English language skills, or want a one-year course to lead straight into a particular career, Lincoln University has those bases covered too.

There are many pathways to a bachelor's degree. After successfully completing three years and gaining the undergraduate degree you could go on to postgraduate study if you want to gain more knowledge and become more specialised.

To find out more visit www.lincoln.ac.nz or see our Certificates and Diplomas or Undergraduate prospectuses.

How to apply

1

Decide on your programme

2

Apply – click on the Apply Now button on our website or complete your application in **mylinc.nz**

We will assess your application and contact you with an offer if you are successful.

3

Accept your offer through our online system, mylinc

4

Enrol in the individual courses that will make up your qualification programme. Enrolment opens 1 October each year. Enrolment can only take place once an offer of placement has been made and accepted.

Student Liaison team

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



Jaime Thomson
Student Liaison Manager

Jaime leads the Liaison team and is the key contact for schools in Southland, South Canterbury (including Oamaru), and Christchurch.



Suzanne Jamieson
Student Liaison Officer

Suzanne is the key contact for Auckland, Waikato and Northland.



Ekara Lewis
Māori Outreach Coordinator

Ekara is the key contact for schools in Gisborne and is available to provide support and advice for all future and current Māori students.



Anna Soboleva
Recruitment Officer, International

Anna is the key contact for international students already studying in New Zealand who would like to study at Lincoln University.



Sophie Prangnell
Senior Student Liaison Officer

Sophie is the key contact for schools in Hawke's Bay, Wellington, Wairarapa, Christchurch and Australia.



Suzanne Carruth
Student Liaison Officer

Suzanne is located at our Telford campus, and covers the North Island and the lower South Island.



Kimberley Forbes
Student Liaison Officer

Kimberley is the key contact for Otago, Nelson/Marlborough, Wanganui, Manawatu and Christchurch.



James Agnew
Student Liaison Officer

James is the key contact for Bay of Plenty/Coromandel, the Central Plateau (North Island), Taranaki, Westland and Christchurch.



Te Waihora (Lincoln) campus contacts

Freephone: 0800 10 60 10
(within New Zealand)
Phone: +64 3 423 0000
(international)
Email: land@lincoln.ac.nz



Telford (Balclutha) campus contacts

Freephone: 0800 83 53 67
(within New Zealand)
Phone: +64 3 419 0300
(international)
Email: enquiry@telford.ac.nz

WHO CARES ABOUT THE Environment

» We do!

Key to all that Lincoln University does is an **awareness of the environment** - from our course content, to our native plantings, to the paper this publication is printed on.

As New Zealand's specialist land-based university, our mission is to transform land, people and economies, and we aspire to do this without negatively impacting our environment.

Land is something we value. It is, literally, our world.

In 1993 the University adopted an **Environmental Charter and an Environmental Policy** (the first among New Zealand tertiary establishments) to support the work of the already established staff-student group called Lincoln Environmental Organisation (LEO). This led to the formation of a formal Environmental Task Force and the revision of the Policy in 2003 and 2010 – giving the University what it now has: the **Sustainability Advisory Group for the Environment** (SAGE). SAGE works alongside LEO to ensure the University 'treads lightly on the Earth', ensuring we live up to our values in the areas of sustainable practices, stewardship of our own environment, and protection of the wider environment.

The University's School of Landscape Architecture building was built with **locally sourced materials** with a life span of over 100 years and which require minimal maintenance. In this building and across campus, the University continues to make a difference with significant efforts in **energy conservation, water management, resource recovery and waste management**.

Lincoln University is a major supporter of the **Lincoln Envirotown Trust** and provides office space and resources for the Chair of the Trust.

All our publications are printed on **environmentally responsible paper**, produced using Elemental Chlorine Free (ECF), Third Party Certified pulp sourced from well managed and legally harvested forests, and manufactured under the strict ISO14001 Environmental Management System.

New Zealand's native biodiversity makes this country unique and Lincoln University is very proud of our **park-like campus, gardens and the native plantings** we have both on campus and extensively at the Lincoln University Dairy Farm.

The Māori outreach programme and the work of staff across the University aims to facilitate an understanding of, and acknowledges **Māori communities, iwi, hapu, whanau and their affinity with their whenua and their environments**. Formal partnerships and informal collaboration will ensure a continuing mutual understanding and respect for the land, consistent with the concept of kaitiakitanga (stewardship).



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land-based university