### Postgraduate Programme - Agriculture

#### Postgraduate Diploma in Agricultural Science
**Institute:** Lincoln University  
**Qualification:** Postgraduate Diploma in Agricultural Science  
**Length of Programme:** 1 year (two semesters)  
**Commencement:** July 2014

Agriculture is the backbone of New Zealand’s economy. Scientific research and technological developments have made this country an international leader in the production of many agricultural products.

Graduates intending to enter the agricultural industries will need to be well prepared in the basic and applied sciences, as well as business and management disciplines. This diploma will prepare graduates for the challenging roles they will play in agriculture, both in New Zealand and overseas.

The traditional role of primary production has changed so dramatically that graduates are sought after in more than the traditional areas of sheep, dairy and arable farming. The demand for activities that will increase the value of our primary products has resulted in the need for graduates beyond the traditional areas of sheep, dairy and arable farming. They are now sought after in the areas of research, marketing and technology transfer, in service industries allied to the agricultural sector and into positions with Crown Research Institutes, Treasury and into consultancy positions within exporting companies. Graduates from agriculture programmes are highly sought after both within New Zealand and internationally.


#### Master of Agricultural Science
**Institute:** Lincoln University  
**Qualification:** Master of Agricultural Science  
**Length of Programme:** 2 years (four semesters)  
**Commencement:** July 2014

The Master of Agricultural Science recognises the scientific management of our primary resources demands innovation, sophistication and business acumen. It offers advanced study and research in the fields that underpin agricultural production, science and management.


#### Master of Commerce (Agricultural)
**Institute:** Lincoln University  
**Qualification:** Master of Commerce (Agricultural)  
**Length of Programme:** 2 years (four semesters)  
**Commencement:** July 2014

The Master of Commerce (Agricultural) is a specialised industry-based degree providing future leaders and managers in both the primary production and agribusiness sector. It relies on a ‘practical professional’ approach to teaching where students learnt not only how to successfully operate a farm business, but also about national and international issues that confront the agribusiness manager. It is one of the recognised areas of excellence in teaching and research pursued by Lincoln University.


**Postgraduate Diploma in AgriCommerce**
- **Institution:** Massey University
- **Qualification:** Postgraduate Diploma in AgriCommerce
- **Length of Programme:** 1 year (two semesters)
- **Commencement:** July 2014

The Postgraduate Diploma in AgriCommerce provides instruction in agricultural economics and management. A relevant bachelor’s degree is required for entry. The degree comprises papers in AgriBusiness Management, Agricultural Economics, Farm Management, Food Marketing and Retailing, International AgriBusiness and International Rural Development.


**Postgraduate Diploma in AgriScience**
- **Institution:** Massey University
- **Qualification:** Postgraduate Diploma in AgriScience
- **Length of Programme:** 1 year (two semesters)
- **Commencement:** July 2014

The Postgraduate Diploma in AgriScience programme is offered in Agriculture and Horticulture. It can be made up entirely of taught papers, but it may include a supervised reported research component. It is suitable for people wanting to acquire advanced knowledge and skills; these can be focused in specialised subject areas, but they can also be across a broad range of subjects. Four endorsements are available: Agriculture, Horticulture, Equine, and Life Cycle Management.

The degree comprises papers in a wide range of specialist areas including Advanced Food and AgriBusiness Strategies, Dairy Production, Poultry Production, Sustainable Agricultural Systems, Advanced Farm and Horticultural Management, Advanced Soil Fertility, Integrated Pest Management, and Nutrient Management in Grazed pasture Systems.


**Master of AgriScience (Agriculture)**
- **Institution:** Massey University
- **Qualification:** Master of AgriScience (Agriculture)
- **Length of Programme:** 2 years
- **Commencement:** July 2014
The Master of AgriScience (Agriculture) offers a wide range of research topics including animal science, pastoral science, crop science, soil science, weed science, agroforestry, agricultural systems and agricultural engineering. Massey University has good research facilities which are available for use by postgraduate students. Dairy, sheep and beef and deer farms are located adjacent to the Palmerston North campus. In addition, a number of research facilities are also available, including the Pasture and Crop Research Unit, the Fertiliser and Lime Research Centre, the New Zealand Centre for Precision Agriculture and an ISTA-accredited seed testing laboratory.


**Master of Environmental Management**

**Institution:** Massey University  
**Qualification:** Master of Environmental Management  
**Length of Programme:** 1-2 years  
**Commencement:** July 2014

The Master of Environmental Management provides graduates with an academic and practical grounding in the growing need to protect the environment and use resources of land, water, soil, plants, and animals in a balanced and sustainable way. The qualification offers specialist streams in Water, Land, Policy and Environmental Economics, and Environment and Society. It could therefore also fit within the priority theme of Renewable Energy.


Please note this programme is subject to approval from the Committee on University Academic Programmes.


**Postgraduate Certificate in AgriBusiness**

**Institution:** University of Waikato  
**Qualification:** Postgraduate Certificate (AgriBusiness)  
**Length of Programme:** 0.5 year (one semester)  
**Commencement:** July 2014

The Postgraduate Certificate in AgriBusiness provides instruction in agricultural economics and management. The programme comprises a compulsory paper in International Agribusiness, as well as optional papers including Environmental and Economic Resources, Agribusiness Case Studies, Econometric Analysis, and 21st Century Logistics, as well as other related papers.

Postgraduate Diploma in AgriBusiness
Institution: University of Waikato
Qualification: Postgraduate Diploma (AgriBusiness)
Length of Programme: 1 year (two semesters)
Commencement: July 2014

The Postgraduate Diploma in AgriBusiness provides instruction in agricultural economics and management. The programme comprises papers in International Agribusiness and Logistics, Econometrics, and Marketing, as well as other related papers.


Master of Science (Technology)
Institution: University of Waikato
Qualification: Master of Science (Technology)
Length of Programme: 2 years
Commencement: July 2014

A Master of Science (Technology) is normally a two year coherent, advanced programme of study, which combines taught papers with an applied or industrial based research thesis or dissertation. The programme includes two papers on industrial technology and innovation. There is a focus on agricultural technology through strong collaboration with other research providers, including NIWA, AgResearch, Hort Research, Landcare. These partnerships allow students to forge industry networks as well as gain hands-on experience by applying their research to practical agri-tech outcomes.

An example of a relevant taught course would be – Ecohydrology – Ecohydrology is the interdisciplinary study of the interactions between water and ecosystems. It views water, carbon and energy as essential ingredients for living systems, and recognises that ecosystems may modify the hydrological systems of which they are part. This paper bridges the gap between hydrological soils, ecological and climate sciences.

http://sci.waikato.ac.nz/study/qualifications/msctech

Master of Management Studies (AgriBusiness)
Institute: University of Waikato
Qualification: Master of Management Studies (AgriBusiness)
Length of Programme: 18 months (three semesters)
Commencement: July 2014

Agribusiness combines all facets of business operations, and associated organisations that make up the agricultural sector. Successful agribusiness relies on the ability to understand the operation of competitive global markets, international marketing and the management of complex and extended supply chains. An MMS in Agribusiness will enable students to build knowledge and business skills across the range of management capabilities that are relevant to the agricultural sector.

The Agribusiness MMS is an 18 month programme with compulsory papers in International Agribusiness, Agribusiness Case Studies and International Marketing. Other papers include 21st Century Logistics. Students must write a dissertation or thesis.