



# MSc Animal Science (Online) (One Year Full Time)



## Introduction

The MSc in Animal Science is suitable for students who wish to undertake advanced studies in pursuit of a career in the livestock sector. This unique programme was designed after comprehensive consultation with leading stakeholders including animal nutrition and health industries. This new MSc aims to equip graduates with cutting edge skills and position them for leadership roles in a dynamic and critically important sector of the global economy.

This innovative programme enables students to focus their studies on specific aspects of animal science including genetics & genomics, reproduction, nutrition and health. For those with an enquiring mind, a deeper understanding

of scientific principles relevant to solving issues currently limiting system sustainability will be reflected in new modules developed for this MSc, including immunobiology, sustainable livestock and global food systems.

Flexible programme choices enable students to focus their studies on an area of specific interest for the development of deeper expertise or tailor their module choice for a broader selection. A key strategy of the MSc is to foster the development of communication and transferable skills to enable the student to best represent their skillset and become leading ambassadors for sustainable animal production systems.

## Course Highlight

### Leading Expertise

The MSc Animal Science has been designed in collaboration with Industry stakeholders and will be delivered by internationally renowned discipline experts. Guest lectures and new modules will showcase the latest developments in national and international research informed by innovative projects taking place at UCD Lyons Farm.

## Programme Content and Structure

**90 credits**  
taught masters

### Modules include:

- Advanced animal reproduction
- Sustainable livestock systems
- Livestock Infection, Immunity and One Health
- Advanced Animal Nutrition
- Animal Genomics & Quantitative Genetics
- Global Food Systems
- Creative Thinking & Innovation
- Research Integrity Online
- Animal Products
- Food Quality and Safety
- Research Proposal module
- Communication & Agri-Innovation

*\* Modules may be subject to change*

## Why study at UCD?



### Graduate Education

12,000 graduate students; 17% graduate research students; structured PhDs



### Global Careers

Dedicated careers support; 2 year stayback visa to work in Ireland



### Global Profile

UCD is ranked in the top 1% of higher education institutions worldwide



### Graduate Employability

Ranked no. 1 in Ireland in QS Graduate Employability ranking



### Global Community

8,500 international students and 300,000 alumni network across 165 countries



### Welcoming Campus

Modern parkland campus with 24 hr security. Wide range of facilities, clubs, societies and supports



## Career Opportunities

There are a wide range of potential employment opportunities for graduates from this programme. Agriculture is a global enterprise and as such progressive individuals will identify the contribution this MSc can make across a wide range of career trajectories.

### Graduate Roles:

- Further education including PhD programmes nationally and abroad
- Policy and advisory roles within governmental departments
- Policy, advisory and scientific roles within leading health, breeding, pharmaceutical and agri-food companies

## Staff Profiles



**Assoc Prof Kieran Meade**  
Programme Director

Since I graduated from UCD with a Bachelor of Agricultural Science (Animal Science), my studies on livestock infectious disease have brought me from North America to Africa and back to Ireland. Completing a PhD and subsequently working in St. Vincent's Hospital, Dublin and Trinity College Dublin alongside human medics and researchers gave me a deep appreciation for the unique role that the animal scientist plays in securing human health. From controlling infectious disease on-farm, to safeguarding the food chain and protecting human health, animal scientists make an important contribution to society on many levels.

This MSc will showcase developments at the interface where technology meets biology and is ripe for driving innovative solutions for agriculture. Building on the unique strengths of UCD, this MSc will equip graduates with the big-picture perspective of critical issues in Animal Science but will be securely grounded on providing the scientific foundation for evidence-based innovation.

## Applicant Profile

- Applicants must hold a minimum of a second class honours degree in a related science discipline.
- Mature candidates have previously been accepted on the basis of relevant experience and prospective candidates are encouraged to contact the Programme Director to discuss their eligibility.
- Applicants whose first language is not English must also demonstrate English language proficiency of IELTS 6.5 (no band less than 6.0 in each element), or equivalent.

## Fees and Scholarships

Tuition fee information is available on [www.ucd.ie/fees](http://www.ucd.ie/fees). Please note that the costs of travel and subsistence for some fieldwork modules are borne by the student.

UCD offers a number of graduate scholarships for full-time, self-funding international students, holding an offer of a place on a UCD masters programme. Please see [www.ucd.ie/global/scholarships](http://www.ucd.ie/global/scholarships) for further information.

### Related Masters

- MSc Agricultural Extension and Innovation (Online)
- MSc (Agr) Sustainable Agriculture and Rural Development
- MSc Environmental Resource Management
- MSc Food, Nutrition and Health (Online)

### CONTACT US

#### EU Students

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W: [www.ucd.ie/global](http://www.ucd.ie/global)

### APPLY NOW

This programme receives significant interest so please apply early online at

[www.ucd.ie/apply](http://www.ucd.ie/apply)