



# UCD AGRICULTURE, FOOD SCIENCE AND HUMAN NUTRITION

**GRADUATE TAUGHT  
PROGRAMMES  
2022 ENTRY**







# CONTENTS

Dean's Welcome .....	1
Developing your career .....	3
What can I study?.....	5
<b>Graduate Taught Programmes</b>	
<b>Agricultural Sciences and Rural Development</b>	
Agricultural Extension and Innovation .....	6
Agricultural Extension and Innovation (Distance Learning) .....	8
UCD Teagasc Walsh Scholarships in Agricultural Extension .....	10
Sustainable Agriculture & Rural Development .....	12
<b>Environmental and Horticultural Science</b>	
Environmental Resource Management.....	14
Horticulture .....	16
Wildlife Conservation and Management .....	18
<b>Food, Nutrition and Health</b>	
Food Business Strategy.....	20
Food, Nutrition and Health (Online) .....	22
Food Safety and Regulatory Science (Online).....	24
Food Regulatory Affairs (Online).....	26
<b>Humanitarian Action</b>	
Humanitarian Action .....	28
Erasmus Mundus Joint Master's Humanitarian Action .....	30
Executive Education & Continuous Professional Development .....	33
Research Masters and PhD .....	35
Alumni Spotlight.....	37
Further Information .....	39

# UCD School of Agriculture and Food Science

# #1

## 1st destination of choice in Ireland

for students interested in studying Agriculture and Food Science



Ranked 51st Globally for the study of Agriculture and Forestry



Agricultural Sciences at UCD is ranked **1st in Ireland, 5th in Europe and 20th globally**

(US News and World Report Subject Rankings 2022)



## Opportunity

10 Graduate Taught Programmes  
Research Masters and PhD Programmes



**€59.7 million** in external funding for research (2015-2020)

# TOP 1%

## Expertise

UCD is ranked in the top 1% of higher education institutions world-wide



**Only University in Ireland** with a School of Agriculture and Food Science



**Athena Swan Ireland**



## #1 University Globally

on citations per paper in food science

## WELCOME

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UCD is Ireland's Global University and is currently ranked within the top 1% of higher education institutions world-wide. With over 160 years of tradition, 30,000 students from over 139 countries, 400 exchange partners and 288,990 alumni worldwide, UCD is at the forefront of global knowledge.

Agriculture, Food Science and Human Nutrition is one of UCD's most highly ranked disciplines and in 2022, Agricultural Sciences at UCD was ranked 20th in the World by the US News & Global University Rankings reflecting the level of expertise underpinning programmes and research activity.

Society is more aware of how food is produced and are demanding more sophisticated food and health solutions with environmental, sustainability and societal challenges becoming more and more relevant. There is a strong focus on the importance of food for health, understanding the effect of the food we eat, the link between producing food and its impact on the environment with a focus on our natural resources. Graduate programmes at the UCD School of Agriculture and Food Science develop the next generation of leaders who will respond to these demands.

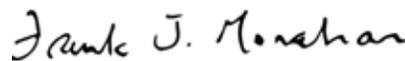
Programme curriculums are informed by innovative research and driven by lecturers and professors at the cutting edge of their disciplines. The concept of One Health which is to maximise the health and well-being of humans, animals and the environment through academic excellence, collaborative research, education and outreach contributes to many of our programmes.

The range of programmes offered span the entire food and health chain and include Food Nutrition and Health, Agricultural Extension and Innovation, Humanitarian Action, Environmental Resource Management, Wildlife Conservation and Management, Horticulture, Sustainable Agriculture and Rural Development, as well as a collaborative programme in Food Business Strategy which is delivered on the UCD Smurfit campus.

Full-time, part-time, blended learning and online opportunities are available. Whether you are continuing your education following on from your undergraduate degree, are looking to complement your work experience with a formal qualification or are considering diversifying from your current career, a postgraduate qualification from the UCD School of Agriculture and Food Science will place you in a better position with regard to career progression.

Please study this prospectus and see for yourself the wide range of opportunities on offer.

We look forward to welcoming you to our community.



**Prof. Frank Monahan**

UCD Dean of Agriculture and Head of School  
UCD School of Agriculture and Food Science



“Every time I come through the gates of UCD I am thankful for what it has done for me.

Richard Kennedy

CEO Devenish; EY Entrepreneur of the Year 2020; Chair, InterTrade Ireland and UCD School of Agriculture and Food Science Alumnus



# DEVELOPING YOUR CAREER

The UCD School of Agriculture and Food Science has a long-established reputation for developing leading graduates who have an excellent record in obtaining challenging and fulfilling roles both in Ireland and overseas.

Graduates from the UCD School of Agriculture and Food Science programmes go on to achieve at the highest levels and a diverse range of career opportunities are possible from the programmes available. As the first destination of choice in Ireland for the programmes that it offers, UCD School of Agriculture and Food Science graduates are highly regarded among employers across many sectors.

Our programmes prepare students for their professional careers through developing a mix of technical and scientific knowledge and transferable skills essential to today's rapidly evolving job market. Field trips and a minor research thesis are fundamental to many of the programmes offered at the school providing a practical applied learning experience.

Each year the Higher Education Authority (HEA) commissions a report tracking the first destination of university graduates. The First Destination Report highlights the employment rate of graduates directly following graduation. The most recent First Destination Report for UCD School of Agriculture and Food Science graduates found:



**94%**  
in Employment

94% of UCD School of Agriculture and Food Science 2019 Graduates had secured employment within 6-9 months of completing their qualification.



## Graduate View

**Kathleen Lonergan Erickson** | Entrepreneurial Specialist, UCD Innovation Academy

I have had a long career as a journalist, an entrepreneur and a management consultant. I was looking to see what was next. I looked at all of my experience and asked myself what else did I need to learn. I looked for a long time and evaluated programmes across the world over a number of years.

When I discovered the Masters in Agricultural Extension and Innovation at the UCD School of Agriculture and Food Science I knew this was the programme for me. So I left Indiana, USA and relocated to Ireland.

The MSc was an excellent experience and one I would highly recommend. Completing my degree in this programme allowed me essential upskilling in agriscience and in innovation. As I fortified my learning, I found it greatly amplified my previous experience while opening new pathways to understanding. Combined, the learning and the network of friends, colleagues, and professionals I gained enhanced my ability to innovate personally and professionally. In addition, it allowed me to become more effective in sharing and transferring knowledge to others around the globe.

I now work as an Entrepreneurial Specialist at the UCD Innovation Academy. Completing the MSc at UCD provided me with vital tools needed to pursue and secure this role.



## Graduate View

**Sinead Doyle** | Inspector, Environmental Protection Association

For my undergraduate studies I completed an Arts degree in English and Geography graduating as a secondary school teacher. As I was completing my degree I knew my education journey was not complete and that I wanted to develop my skills further and complete an MSc. My interest was in the area of environmental studies and after researching a number of programmes, I felt that the MSc Environmental Resource Management at the UCD School of Agriculture and Food Science was the right programme for me. I felt this MSc would complement my undergraduate degree and enable me to develop my professional career. I was particularly attracted to the high level of practical applied learning included within the programme and felt this would enhance my employment opportunities greatly. I secured a role as an Environmental Technician with Carlow County Council immediately after completing the MSc. I currently work with the EPA (Environmental Protection Agency) as an Inspector. Without completing my Masters degree I would not have secured these positions and would not be where I am today. I feel having completed the MSc gave me a distinct advantage over other candidates and I now work alongside two of my classmates from the MSc programme.



# WHAT CAN I STUDY?

People choose to study a postgraduate programme at various stages in their career for many different reasons, with most people doing so to improve their career prospects. You may have a specific job in mind, wish to specialise in a subject area from your undergraduate degree, aim to advance your career opportunities or crave a new career path.

You may wish to follow into a Masters directly after finishing your undergraduate studies or complete an MSc while working. Programmes at the UCD School of Agriculture and Food Science are delivered in a variety of formats, specific to each programme. There are full-time, part-time, blended and on-line learning opportunities available providing a range of options.

Many programmes offered are multi-disciplinary and are open to students from a wide range of undergraduate disciplines which are presented in the table below. Module to Masters, Executive Education and CPD programme opportunities are also available and details of these are contained within.

If your undergraduate qualification is in:

→

You may be eligible to study in:

↓

	Agricultural Science	Food Science	Human Nutrition	Business / Accounting	Veterinary Medicine	Medicine	Nursing	Science	Social Science	Engineering	Architecture	Law	Arts
Agricultural Extension and Innovation	.	.	.	.	.	.	.	.	.	.	.	.	.
Environmental Resource Management	.	.	.	.	.	.	.	.	.	.	.	.	.
Food Business Strategy	.	.	.	.	.	.	.	.	.	.	.	.	.
Food Regulatory Affairs	.	.	.	.	.	.	.	.	.	.	.	.	.
Food, Nutrition and Health	.	.	.	.	.	.	.	.	.	.	.	.	.
Food Safety and Regulatory Science	.	.	.	.	.	.	.	.	.	.	.	.	.
Horticulture	.	.	.	.	.	.	.	.	.	.	.	.	.
Humanitarian Action	.	.	.	.	.	.	.	.	.	.	.	.	.
Sustainable Agriculture & Rural Development	.	.	.	.	.	.	.	.	.	.	.	.	.
Wildlife Conservation and Management	.	.	.	.	.	.	.	.	.	.	.	.	.

*This table has been developed to assist prospective students with their application to the most suitable programme. The final decision with regard to entry rests with the Programme Director and in some instances students that have completed relevant work experience may be eligible to enrol on programmes beyond what is illustrated in this table.*



D049

Diploma and Certificate options available

# MSc Agricultural Extension and Innovation

(One Year Full Time or Two Years Part Time)

## Programme Overview

The MSc Agricultural Extension and Innovation is a one-year full-time or two-year part-time programme based in UCD and is focused on meeting the needs of those who are interested in developing careers in advisory, consultancy or education services in the public, private or non-governmental sector.

This MSc will equip graduates with the skills and knowledge to understand more about the processes of learning that underpin change and development and to be effective in building the capacity of farmers to adopt new practices and technologies.

Students will develop competencies in: analysis of the context of agricultural change; design and development of appropriate advisory strategies to support agricultural development; how to support adult learning and behaviour change and research and analytical skills to identify and support worthwhile innovations.

The programme emphasises and values group work, problem solving and creative thinking and encourages students to be active, self-directed and reflective learners. Assignments are based on real life case studies that are complex and unpredictable, reflecting the norms of practice in advisory and education services.

## Course Content and Structure

90 credits taught masters = 60 credits taught modules + 30 credits minor thesis

### Modules for students enrolling on this programme include:

- Agricultural Extension and Innovation
- Research Methods
- Design Thinking for Agricultural Innovation
- Group Approaches in Agricultural Extension
- Understand the Family Farm Business
- Minor Thesis

### Optional Modules

- Theory and Practice of Rural Enterprises
- Sustainable Development
- Planning for Development
- Agriculture and Rural Development
- Agri-Environmental Economics and Policy
- How to change Behaviour
- Economics and Sociology in Rural Development



YouTube

For more information view our online webinar on our YouTube Channel @ucdagfood

## Career Opportunities

Across the globe there is increasing awareness of the critical contribution of knowledge transfer processes to sustainable and competitive agricultural development and graduates with competencies in agricultural extension are highly sought after.

Career opportunities for graduates of this programme are excellent and include advisory services, agricultural sales, agricultural media, agri-tech companies, consultancy and education delivery in the public, private or non-governmental sector. The programme also provides opportunities for Continuous Professional Development (CPD) for graduates who are already working in areas of knowledge transfer with farmers.

### Graduate Roles

- Agricultural Advisory
- Agricultural Consultancy
- Training
- Education Delivery
- Communications / Media
- Sales / Account Management
- Knowledge Transfer

## Entry Requirements

- Applicants must hold the equivalent of a minimum Lower Second Class Honours Degree (NFQ Level 8), or international equivalent, in a range of academic qualifications including Agricultural Science, Life Science and Business degree programmes from a recognised higher education institution.
- Applications are welcome from candidates with work experience in government and non-governmental organisations that provide extension services in agriculture, environmental and community development.
- 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.

## Placement Opportunity

Students have the opportunity to take an industry placement as part of their minor thesis. Students have taken placements with Agriculture and Horticulture Development Board (AHDB) in the UK, Microsoft and many other companies and institutions who support farmer advice and behaviour change.

## Graduate View

### Hugh Larkin | Agri - Environmental Consultant, CLW Environmental

Having graduated from UCD with an honour's degree in Agri-Environmental Science in 2018, I decided to further my studies by undertaking the MSc Agricultural Extension & Innovation. I chose this programme with a future career in agricultural advisory or agricultural technology in mind. I felt it had the potential to equip me with the knowledge and experience required for a career in these fields and to make me a more employable graduate. The programme itself is very well co-ordinated in terms of content and support. It includes a wide range of interactive modules to choose from that are designed and delivered by industry experts including guest lecturers from renowned agricultural organisations. The highlight of the MSc for me was the opportunity to complete an internship with the Agricultural and Horticulture Development Board in the UK for a two-month period.

### EU Enquiries:

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## Our Partners





# MSc Agricultural Extension and Innovation

(Two Years Part Time)

## Programme Overview

This MSc Agricultural Extension and Innovation is a two-year part-time distance learning taught Masters programme and is aimed at those working in the agri-food sector.

The focus of this MSc is to upskill participants to learn the skills and competencies required to effectively support farmer behaviour change and innovation at farm level. Graduates will become more effective at supporting farmers in developing their farm business and incorporating innovation at farm level.

The programme is delivered online and encourages students to build their skills for working autonomously, for independent research and in-depth analysis of information.

Assignments are based on real life case studies relating to your professional work environment, reflecting the norms of practice in agricultural consultancy, support, sales and education services. Assignments will be both online group work and individual.

Students will undertake independent research and write a minor thesis on a topic that is relevant to their current role.

## Course Content and Structure

90 credits  
taught masters

=

60 credits  
taught modules

+

30 credits  
minor thesis

Modules for students enrolling on this programme include:

Agricultural Extension and Innovation

The Reflective Agricultural Consultant

Agricultural Education

Programme and Project Management

Client/Customer Relationships in Agricultural Work

Group Approaches in Agriculture

Understanding the Family Farm Business

Research Methods

Design Thinking for Agricultural Innovation

Minor Thesis



## Career Opportunities

The focus of the course is in upskilling participants currently working at farm level. Participants on the course have been employed in areas such as farm advisory, feed sales, agri-retail, media, policy development and veterinary.

## Macra Agricultural Skillnet Application



In recent years a number of applicants that applied to this programme have also applied and received part-funding from the Macra Agricultural Skillnet programme. Funding has contributed to approximately 25% of the course tuition fee. Applications to this programme open in Spring each year with a closing date of mid-May approx. Applications are online via Macra Agriculture Skillnet or directly to the UCD School of Agricultural and Food Science. Numbers are limited and shortlisting may be required. Shortlisted candidates will be called to interview in early June. This programme is subject to annual review of funding.



## Entry Requirements

- Applicants must hold the equivalent of a minimum Lower Second Class Honours Degree (NFQ Level 8), or international equivalent, in a range of academic qualifications including Agricultural Science, Life Science and Business degree programmes from a recognised higher education institution.
- Applications are welcome from candidates with work experience in government and non-governmental organisations that provide extension services in agriculture, environmental and community development.
- 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.

## Graduate View

### Pamela McCormack | Feed Operations Manager, Kehoe Farming Ltd

I decided to study the MSc Agricultural Extension and Innovation at UCD to enhance both my technical and interpersonal competencies when facilitating farmers and business clients. Working with other students on the course, across a variety of roles within the agricultural sector, develops your knowledge in new areas and exposes you to different perspectives. The modules are very diverse and interactive while being relevant to your professional work.

Completing assignments, individually and in groups, based on your daily work routines helps you to become more competent when carrying out work practices. It most certainly has enhanced my ability to effectively assist and advise customers of Kehoe Farming Ltd.

## Macra Agricultural Skillnet

The Macra Agricultural Skillnet training network was established by Macra na Feirme in 2015 and is funded by Skillnet Ireland through the Department of Education and Skills. The network aims to ensure as many farmers as possible have access to the subsidised opportunities for further training and development.

### EU Enquiries:

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### Non EU Enquiries:

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



Full Time

Funded Programme

# UCD Teagasc Walsh Scholarships

MSc Agricultural Extension and Innovation

MSc Agricultural Innovation Support



## Programme Overview

The UCD Teagasc MSc Agricultural Extension and Innovation and MSc Agricultural Innovation Support are collaborative funded programmes delivered by UCD and Teagasc for graduates with an interest and ambition to work in advisory and education roles. These programmes involve placement within Teagasc advisory and educational services where the student gets the opportunity to learn from experienced mentors.

Over the past decade there has been a resurgence in interest in agricultural knowledge and innovation systems as we grapple with challenges of farm incomes, climate change and sustainable development. A lot of this interest is directed to the skills and competencies required by agricultural advisors to facilitate and support farmer learning and innovation.

With more emphasis on participatory methods of knowledge exchange, the farm advisor has to be able to support peer to peer learning among farmers as well as take on the role of knowledge broker.

On completion of these programmes, graduates will be competent agricultural advisors, committed to on-going reflective practice and seeking out more effective ways to support farmer decision making.

Places on these funded programmes are sponsored through the Walsh Scholarships programme. Up to 20\* places are available each year. Students receive a monthly stipend for the duration of the programme and all tuition fees are funded with the scholarship. Application opens in spring each year and is directly through the UCD School of Agriculture and Food Science. Places are highly competitive.

*\*These programmes are funded by the Walsh Scholarships Programme. Programmes are subject to annual funding approval.*

## The Walsh Scholarships Programme

Through the provision of high quality research training, the Walsh Scholarships programme aims to contribute to the Teagasc objective of generating and applying new knowledge for the sustainable development of the agriculture and food processing industry, enable it to respond profitably to consumer demands and contribute to a vibrant rural economy and society.

The programme offers a unique opportunity to graduates to undertake postgraduate research in Food, Animal and Grassland Production, Crops, Environment and Land Use, Rural Economics and Development, and other related disciplines.



## MSc Agricultural Innovation Support

A research masters programme. Students will research critical issues assigned by Teagasc around the role of knowledge transfer in supporting farmer decision making and technology adoption.

Research Masters

21 Months, Full Time

3-month (Trimester 1) in UCD followed by 15-month placement in a Teagasc advisory office or agricultural college education centre

Research topics assigned by Teagasc staff

UCD & Teagasc supervisors

Taught modules 25%  
Action research & thesis 75%

## MSc Agricultural Extension and Innovation

A taught masters programme involving full time mentored placement in a Teagasc advisory office while completing modules using reflective and blended learning.

Taught Masters

24 months, Full Time

Entire masters completed in a Teagasc advisory office

Mentored by experienced Teagasc advisors

Taught modules – 33%  
Minor thesis – 33%  
Reflective practice modules – 33%

Distance / blended learning

Assignments and projects relate to the work placement

Emphasis on self-reflection and professional development

## Career Opportunities

The Walsh Scholarship programmes are designed to build the competencies required for careers in agricultural advisory and education services in the public or private sector. Many former Walsh Scholars are currently employed in advisory and education roles in Teagasc and many others are in key positions in public services and agri-food companies in Ireland and abroad.

## Entry Requirements

- Applicants must hold an upper second-class honours degree in agricultural science or equivalent discipline that meets the educational qualification requirements of the Department of Agriculture, Forestry and the Marine for the Farm Advisory System (FAS). Applicants with a pass degree coupled with significant and appropriate work experience may also be considered.
- 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.

## Graduate View

**Elaine Clifford | Business & Technology Advisor - Tillage, Teagasc**



I always wanted to work in the agricultural industry. After graduating from the BAgSc Animal and Crop Production programme in UCD, I knew I wanted to work in advisory services. The MSc Agricultural Extension and Innovation was the perfect opportunity for me. It allowed me to gain practical experience in an advisory role helping farmers run efficient, sustainable farming enterprises. This programme allows you to develop many skills through working closely with experienced staff across a variety of areas while also encouraging you to use your own initiative. Combining professional work experience with the college modules enables you to focus your learning. Practical and theory experience enhances your overall learning. The modules are well delivered, practical and relevant as assignments are based on the tasks you are completing and your experiences during your professional placement. I would highly recommend this MSc programme to anyone who wishes to pursue a career in advisory or education as it helped me develop the skill set I needed to secure my current position.

**EU and Non EU Enquiries:**

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**Liz O'Sullivan | Teagasc**  
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# MSc Sustainable Agriculture and Rural Development

(One Year Full Time or Two Years Part Time)

## Programme Overview

The MSc Sustainable Agriculture and Rural Development responds to the new agenda for agriculture and rural area development. It represents a return to core values in the development of rural areas which are rooted in agricultural change as well as responding to new societal demands such as safe and ethically produced food, a healthier environment and sustainable and affordable energy. These issues are relevant in both Ireland, industrialised countries and in the developing world.

This programme, which is offered on both a full-time and part-time basis, prepares graduates for roles of leadership, advocacy and influence in local, national and international development settings. This is achieved by strengthening capabilities in the relevant analytical, communications and entrepreneurship skills, underpinned by the provision of an enhanced understanding of the theory, policy and practice of rural development.

The learning environment fosters individual and group-based activities, which develop students' skills of inquiry, critical thinking, self-directed and collaborative learning. A variety of teaching and learning approaches are used including group project work, student presentations, individual assignments, field trips and case study work.

## Course Content and Structure

90 credits taught masters = 60 credits taught modules + 30 credits minor thesis

### Modules for students enrolling on this programme include:

- Sustainable Agriculture
- Strategic Communications for Development
- Policies and Strategies for Sustainable Agriculture and Rural Development
- Research Methods
- Theory and Practice of Rural Enterprise
- Research Project (Minor Thesis)

### Optional Modules

- Planning for Development
- Agricultural Extension and Innovation
- Economics and Sociology in Rural Development
- Land Utilisation
- Global Biodiversity and Heritage



## Career Opportunities

Graduates from this programme will be equipped with the required skills and knowledge base to develop careers in the broad arena of sustainable agriculture and rural development in Ireland or Internationally in both the public and private sector.

Graduates typically find employment in government, agricultural and rural development agencies, local development agencies, NGOs involved in rural development, as well as donor agencies and international development organisations.

### Graduate Roles:

- Development Managers
- Advisors
- Consultants
- Public servants
- Researchers

## Entry Requirements

- Applicants must hold a minimum of a second class honours degree, or international equivalent, in a range of subject areas.
- Applications are welcome from people from a broad range of disciplinary backgrounds including humanities, sciences and business who are interested in pursuing careers in the broad arena of rural and community development.
- 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.

**YouTube**

For more information  
view our online webinar on  
our YouTube Channel  
[@ucdagfood](#)

## Graduate View

**Mary Maina | Fertilizer market analyst, International Fertilizer Development Centre, Kenya**

I was working as a fertilizer market analyst at International Fertilizer Development Center (IFDC) Nairobi, Kenya and felt the MSc Sustainable Agriculture & Rural Development at UCD offered me an opportunity to acquire the skills needed to assist farmers in Sub-Saharan Africa (SSA) to address the challenges facing them in sustainably achieving food security. The MSc offers a unique opportunity for people from diverse backgrounds to develop their social skills, to understand sustainability along the agricultural value chain and the immense potential of rural areas beyond agricultural production. The programme is well delivered by experienced lecturers with up-to-date reading materials and well-planned field visits. My career objective is to support small farmers to sustainably achieve food security, improve their livelihoods and learn how to manage with unexpected events.

### EU Enquiries:

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### Non EU Enquiries:

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# MSc Environmental Resource Management

(One Year Full Time)

## Programme Overview

The MSc Environmental Resource Management is an established programme designed for those who wish to undertake advanced studies in the pursuit of a career in the environmental sciences.

Sustainable management of our environmental resources is at the heart of some of the key challenges facing humanity today; food security, climate change, biodiversity loss, and the protection of water and soil resources. During this MSc particular emphasis is placed on exploring these globally important environmental issues, in agriculture and other land use systems. Graduates will gain the knowledge necessary to address these needs through a combination of environmental science, policy and management expertise.

The programme fosters in its graduates the qualities of self-motivation and critical thinking. Core elements of the programme include: literature review and knowledge assimilation; core lab, field and IT skills including use of GIS and remote sensing software; experimental survey design, quantitative data analysis and communication skills.

Individual and group work assignments are designed to develop individual, teamwork and leadership skills. These skills will culminate and be tested further in the final semester, when students complete a supervised research project. Fieldwork is involved in many of the modules offered, including visits to leading extension, advisory and research programmes in the area of sustainable environmental resource management.

## Course Content and Structure

90 credits taught masters = 60 credits taught modules + 30 credits minor thesis

### Modules for students enrolling on this programme include:

- Data Analysis for Biologists
- Biodiversity & Ecosystem Services
- Human Impact on the Environment
- Seminar Presentation
- Soil, Plant & Water Resources
- Geographic Information Systems
- Literature Review
- Practical Research Skills
- Ecological Modelling
- Research Project (Minor Thesis)

### Optional Modules

- Environmental Law and Policy
- Environmental Assessment
- Wildlife Conservation
- One Health

The minor thesis component offers a very broad choice of research topics that allows students to focus on a specific subject area of interest. Students are assigned an academic supervisor with research interests and expertise in the thesis subject area.



## Career Opportunities

The career prospects for graduates from the MSc Environmental Resource Management are wide ranging, with environmental management increasingly fundamental to industrial, service and public sectors. Graduates secure roles in the private and public sector across government agencies, local authorities, county councils and others. This programme has a successful track record with the Irish Aid Fellowships.

### Graduate Roles:

- Environmental Consultancy
- Environmental Advisory
- Environmental Engineering
- Regulatory Authorities
- Policy
- Research

## Entry Requirements

- 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.
- The programme is accessible to candidates from a very broad range of primary degree backgrounds and draws students from across the world.
- 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.

## Graduate View

### Dr Brendan Dunford | Manager, Burren Programme, Co-founder Burrenbeo Trust

Having spent my twenties travelling around the world, I'd become increasingly interested in the relationship between people and their places, how communities shape their local environments and vice-versa, and what a precious resource a healthy environment is. I decided that I wanted to learn more and reconnect again with my own homeplace, so I returned to Ireland, 'parked' the backpack and enrolled in the MSc Environmental Resource Management at UCD. I loved it! The mix of people in terms of age, academic background and nationality, the diversity of subjects available, the passion for learning and change among my new classmates, all made for a very inspiring experience. Having the course located within the UCD School of Agriculture and Food Science was a bonus as so much of the Irish landscape is shaped by farming and so much change has taken place in that sector of late.

## UCD Rosemount Environmental Research Station

UCD Rosemount Environmental Research Station is a state-of-the-art plant and environmental research facility under the joint management of the UCD Schools of Agriculture and Food Science and UCD School of Biology and Environmental Science located on the UCD Belfield campus. The station facilitates research in the areas of plant biology, horticulture, forestry and agriculture and inform important elements of learning across a range of modules within master's programmes. Facilities for plant and crop research include high specification containment and production glasshouses, hosting experiments on plant-pathogen and climate interactions. Plant collections to support teaching, horticultural demonstration, crops for horticulture modules, industry-funded plant growth experimental trials are also available.

### EU Enquiries:

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D064

# MSc Horticulture

(One Year Full Time)

## Programme Overview

Horticulture is the science, technology, art and business of cultivating and using plants to improve human life. Horticulturists and Horticultural Scientists create global solutions for safe, sustainable, nutritious food and healthy, restorative and beautiful environments.

The MSc Horticulture caters for early career graduates working or intending to work in the global dynamic horticulture production and supply industry. It is designed for students who wish to acquire greater expertise in horticulture, mature students and career changers, and draws on the academic expertise available in the UCD School of Agriculture and Food Science.

Today the supply of horticulture goods and services involves a global network of producers, distributors and retailers. While labour is currently a significant part of the cost basis for horticulture enterprises, innovations in technology, logistics and management is disrupting the traditional labour intensive model of horticulture businesses.

With ever increasing demands from the market place to reduce costs, future horticulture enterprises will require highly educated and skilled individuals who can interpret and apply sound scientific knowledge and utilise modern innovative technologies and management systems to provide sustainable globally relevant horticulture products and services.

## Course Content and Structure

90 credits  
taught masters

=

60 credits  
taught modules

+

30 credits  
minor thesis

Modules for students enrolling on this programme include:

Fresh Produce Production
Food Quality and Safety
Food Diet and Health
Human Nutrition
Plant Nursery Production
Enterprise Development
Professional Communications
Practical Research Skills
Data analysis for biologists
Research Project (Minor Thesis)

## Optional Modules

Sportsturf Management
Elements of Landscape Design

## Minor Thesis

The minor thesis component offers a very broad choice of research topics that allows a candidate to focus on a specific subject area. Students are assigned an academic supervisor with research interests and expertise in the thesis subject area.



## Career Opportunities

Wide ranging career opportunities exist in private companies, public organisations and government agencies in the food and non-food sectors of horticulture. This programme also allows graduates to completely change direction putting them on a radically different career path from their primary degree and advancement to PhD level.

### Graduate Roles:

- Plant Producers
- Distribution and Retail
- Horticulture Therapists
- Designers
- Technical Advisors
- Scientists
- Business Development
- Entrepreneurial Roles

## Entry Requirements

- Applicants must hold a minimum of an upper second class honours degree, or international equivalent in a biological, environmental, agricultural or related science degree.
- Mature candidates will be considered on the basis of relevant experience. 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 (DB06 Global Engagement Partnership Masters Pathway).

## Industry Connection

Many modules involve contact with industry including visits to leading companies, businesses and contact with professional horticulturists.

## Student View

### Zian Tang

I participated in the MSc Horticulture at UCD as a joint programme between Yangzhou University (YZU) and UCD and am very glad I did. UCD is a very reputable college in Ireland. The people are very friendly and the campus is fantastic. The course has a wide range of subjects and several practical courses. I found the tutorials offered by the UCD School of Agriculture and Food Science College benefited me a lot.

In UCD, you can join many communities and activities to make friends. The students are really nice. From the Pre-Master course, we learned the skill of essay writing with the support of teachers. UCD is a perfect place to study and carry out research.

### EU Enquiries:

**Dr. Mary Harty**

Programme Director

UCD School of Agriculture & Food Science

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# MSc Wildlife Conservation and Management

(One Year Full Time)

## Programme Overview

The MSc Wildlife Conservation and Management is suitable for students who wish to undertake further studies in pursuit of a career in the agricultural and environmental sciences, with a particular emphasis on the sustainable management of wildlife resources within rural landscapes. This is a unique programme dealing with the principles of population management and zoonotic diseases associated with wildlife and conflict resolution.

This MSc enables students to specifically focus their studies on global wildlife conservation and management. For those with an inquiring mind, a deeper understanding of scientific principles relevant to solving agri-environmental food security concerns is provided, which in combination with understanding effective policy-making, leads to sustainable management practice. The MSc Wildlife Conservation and Management uniquely integrates the principles of wildlife conservation and zoonotic epidemiology, to underpin the effective management of wildlife populations and ecosystem health.

The programme aims to facilitate the development of students to enable them to provide natural science solutions within a theoretical and social context. Students graduate with a range of skills and experience that makes them highly employable as they develop the ability to problem solve in multiple situations.

## Course Content and Structure

90 credits  
taught masters

=

50 credits  
taught modules

+

40 credits  
minor thesis

Modules for students enrolling on this programme include:

Wildlife Conservation
Human Impact on the Environment
Biodiversity and Ecosystem Services
Geographic Information Systems
Data Analysis for Biologists
Literature Review
Seminar Presentation
Habitat Evaluation
Conservation Genetics
Biological Invasions
Research Project (Minor Thesis)
Practical Research Skills
One Health

## Field Work

Students have the opportunity to visit current conservation and management projects in Ireland, to acquire applied field skills. Students also receive contributions from national and international experts in wildlife conservation and management.





## Career Opportunities

There are a range of potential employment opportunities for graduates from this programme including government departments, local authorities, county councils, environmental protection agencies and a range of national and international NGOs. In addition, suitable candidates may progress to PhD study.

### Graduate Roles:

- Environmental Consultant
- Conservation Officer
- Ecological Advisor
- Policy Officer
- Conservation Manager
- Park Ranger

## Entry Requirements

- Applicants must hold the equivalent of a minimum Lower Second Class Honours Degree (NFQ Level 8), or international equivalent, in a Biological Science, Environmental Science, Animal Science, Equine Science, Veterinary Medicine or related science.
- Applicants from other disciplines may be considered if they include strong evaluation, analytical and communication skills and have experience of working in the area.
- 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.

## Graduate View

**Amelia Keane | Environmental Consultant, Malone O'Regan Environmental, Dublin**

I have always known I wanted to work in the environmental field, so after completing my undergraduate degree in Zoology I knew that the next step would be the MSc Wildlife Conservation and Management programme at UCD. This programme has a broad range of topics, which enabled me to develop a better understanding of different aspects of Irish ecology and environmental policies. The lecturers are very supportive, very understanding and very passionate about their subjects. The practical experience that I gained in undertaking habitats survey and report writing was extremely beneficial when applying for jobs. I am now working as an Environmental Consultant where I get the opportunity to travel around Ireland and survey a variety of different habitats, birds, mammals, and much more. I would highly recommend this programme for anyone looking to work in the environmental field.



This MSc is set within the UCD One Health paradigm in an agricultural context as approximately 60% of land use in Ireland and 50% of the globe's land use is devoted to farming.

The vision of UCD One Health is to maximise the health and well-being of humans, animals and the environment through academic excellence, collaborative research, education and outreach.

### EU Enquiries:

**Dr Barry John McMahon**  
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### Non-EU Enquiries:

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# MSc Food Business Strategy

(One Year Full Time)



UCD Michael Smurfit  
Graduate Business School

## Programme Overview

This comprehensive course offers sound training in business concepts and practice, as well as a wider understanding of the unique environment within which food businesses operate. The curriculum has been co-devised by UCD Smurfit Business School and UCD School of Agriculture and Food Science. Students will gain advanced knowledge of the factors specific to food affecting the sustainability of food production and the role that innovation can play in the sector. Students also learn an appreciation of the increasingly complex and global environment in which the food business currently operates, and the uncertainties and risks attached to food production.

The theory-practice blend to the curriculum content, as well as the strong emphasis placed upon recent developments within the industry, makes this MSc the ideal preparation for anyone seeking to develop a career in the food business sector. Graduates are encouraged to apply and act upon their core food business knowledge and will have the ambition and courage to solve problems, work in a team and significantly contribute to the success of food businesses. This is achieved by providing a diversity of learning environments (classroom, off campus and guest speakers) and methods (lectures, group work, case studies, presentations) that ensures a stimulating learning experience equipping graduates with the skills necessary to provide professional leadership in food businesses.

This programme takes place full time at the UCD Michael Smurfit Graduate Business School.

## Course Content and Structure

90 credits  
taught masters

=

70 credits  
taught modules

+

20 credits  
group project

Modules for students enrolling on this programme include:

### Autumn Trimester

- Economics of Food Markets and Business Behaviour
- Customer Focused Food
- Supply Chain Management in Global Food Systems

### Spring Trimester

- Food Policy and Industry Responses
- Competitive Strategy in Global Food and Agribusiness markets
- Optional Module

### Summer Trimester

- Group Food Strategy Project
- Innovation for Food Business
- Future of Food

### Group Project

The project aims to provide graduates with practical business experience by providing them the opportunity to work on a real business scenario faced by the client company. The project will require graduates, working in teams, to undertake research, analyse findings and develop a business strategy which will be formally presented to representatives of the client company.



## Career Opportunities

Upon successful completion of the course, graduates will be open to an array of national and international employment opportunities within a rapidly growing industry .

### Graduate Roles:

Account Manager

Marketing Manager

Management

Account Strategist

Business Development

Agribusiness Graduate Programme

## Entry Requirements

- This course is open to a wide range of undergraduate profiles but is especially suitable for those with a background in agriculture or other science-based degrees seeking to develop their business expertise and for those with more business focused degrees with an interest in moving into the food sector.
- A minimum second-class honours degree (or equivalent) in Agricultural Science, Science, Business, Commerce, Business Administration, Economics or related degree. or
- An honours Graduate Diploma in Business Studies or related subject. or
- A primary degree with a minimum of three years' relevant work experience.

## Graduate View

**Gillian Willis | Small Business Manager, Bord Bia**

My experience as a Food Business Strategy student at the Michael Smurfit Business School was one of huge growth and development both at an academic and personal level. I wanted to further my knowledge of not only the Irish food industry but also of the global one. The lecturers on our programme were top class with an extensive knowledge of both the domestic and international food industry.

Since graduating I have held global positions at Burger King and Tim Hortons, returning to Ireland to join Bord Bia. There is no doubt that the skills and knowledge I gained during the programme played a role in me securing my graduate level job and I continue to implement this knowledge on daily basis in my working environment.



## UCD Michael Smurfit Graduate Business School

UCD Michael Smurfit Graduate Business School is the leading business school in Ireland with over 1,300 graduates each year. They are one of an elite group of business schools worldwide to hold the triple crown of accreditation from EQUIS, AACSB and AMBA and are consistently ranked in the Top 100 by the Financial Times.

### EU & Non EU Enquiries:

**Dr James Breen | Programme Director**  
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*\* Application for the MSc Food Business Strategy is through the UCD Michael Smurfit Graduate Business School*



# MSc Food, Nutrition and Health

(Two Years Part Time)

## Programme Overview

The MSc Food, Nutrition and Health is aimed at graduates from a variety of disciplines who wish to develop their knowledge and understanding of food as it relates to human nutrition and health. The programme is suitable for graduates with no formal educational background in food science or nutrition, who wish to up-skill and become competent and employable in this increasingly important and rapidly evolving field. Graduates will be educated to a high level in the science of food as it pertains to human nutrition and health.

This programme is hosted by the UCD School of Agriculture and Food Science and brings together academic and research staff from across UCD in health-related aspects of food research, including food science, human and public health nutrition, food production, biosystems engineering, food law, consumer behaviour and food safety. Students will gain an understanding of the nature of food, how it is produced, how it is affected by processing, why we eat, what happens to food when we eat it, and how food components can interact with the functioning of humans. Upon completion of the MSc graduates will be able to apply this knowledge to address nutrition-related problems in different groups, cultures and societies.

This programme is delivered and assessed entirely online. The minimum registration to the MSc is two years, however students have four years in which to complete the programme thereby affording flexibility. The flexible and online format of the programme enables the majority of students enrolling on the programme to combine studying while in employment.

## Course Content and Structure

90 credits  
taught masters

=

80 credits  
taught modules

+

10 credits  
research project

Modules for students enrolling on this programme include:

Food Chemistry

Introduction to Nutrition

Food Process Technology

Nutrition in the Life Cycle

Physiology and Metabolism

Chemistry of Nutrients

Sensory Science

Pathways to Health

Public Health Nutrition

Food Microbiology

Research Design and Statistics

Food Regulatory Affairs

Research Project



**YouTube**

For more information  
view our online webinar on  
our YouTube Channel  
[@ucdagfood](#)

## Career Opportunities

There are excellent job prospects for graduates in Food, Nutrition and Health with graduates working in a range of roles across the food industry, public health and regulatory agencies. Graduates have the distinct advantage of bringing a nutrition or health perspective to their roles.

Within the food industry graduates will work in areas such as product innovation, technical sales, product quality enhancement, nutrition and health promotion or food labelling regulation.

### Graduate Roles:

- Product Innovation
- Technical Sales
- Production Quality Enhancement
- Health Promotion
- Food Regulation

## Entry Requirements

- Applicants must hold a second class degree or higher in a cognate subject. Applicants from other discipline have previously been accepted on the basis of previous 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.

## How will I learn?

The MSc Food, Nutrition and Health is delivered through the UCD online learning platform (Brightspace) and will consist of pre-prepared lecture material delivered online, videos and demonstrations by lecturers, interactive learning, discussion boards and virtual classroom environments.

For each 5 ECTS credit module earned students are expected to undertake about 125 hours of work, to include on-line activity and performing their own study. Students will be required to complete quizzes periodically so that progress can be monitored. Formative assessments will be used to help you develop and critically assess your own understanding of the material presented. All modules will have a high continuous assessment component. Students have access to a UCD Module Coordinator at all times.

## Graduate View

**Breda O'Mahony | Lecturer, St. Angela's College, Sligo**

The primary reason I chose to study this Masters programme was to deepen my existing knowledge and I can genuinely say that completing my studies in the field of Food, Health and Nutrition Science has been one of the best decisions that I have ever made. This journey has allowed me to study with some of the leading academics in their field.

Lectures and coursework were relevant, engaging and thought provoking thus enabling me to expand on areas such as subject knowledge and development of critical thinking skills with relevance to everyday life. One of the main advantages to this programme is the depth and variety of modules offered. The online platform enabled me to continue working whilst studying at a pace that suited my schedule.

The completion of this programme has opened up a number of differing opportunities for me that perhaps would not have come otherwise.

### EU and Non Enquiries:

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# Professional Diploma Food Safety and Regulatory Science

(One Year Part Time)

## Programme Overview

Food Safety is an essential Public Health issue without which there is a significant threat to health from foodborne disease. Understanding the legislation, policy and science behind maintaining a safe food system is essential for regulatory bodies, government and the agri-food industry.

This Professional Diploma integrates science, law and food policy from pre-harvest to the consumer and brings experts together from UCD and beyond to help students to develop knowledge and understanding of food risk and regulation and acquire skills to disseminate and implement knowledge in practice.

The Professional Diploma in Food Safety and Regulatory Science has been designed for professionals within food companies and regulatory bodies to learn from leaders in the area of food safety and regulatory science within University College Dublin (UCD) as well as experts from public bodies and industry.

The programme is suitable for those with a Level 8 degree in a scientific discipline. Experiential prior learning will be considered on a case-by-case basis. This on-line programme gives you all the convenience that remote learning brings with flexibility and learning during your career, while also connecting you to all that UCD has to offer.

## Course Content and Structure

There are 3 modules each worth 10 credits. All modules must be taken.

**30 credits**  
professional diploma

Modules for students enrolling on this programme include:

### Autumn Trimester

Food Regulation

### Spring Trimester

Science and Standards of Food Safety

### Summer Trimester

Food Risk Analysis



## Career Opportunities

On completion of this programme, you will be equipped with the knowledge and skills relevant to Food Safety and Regulatory Science within the food industry and beyond which will develop your deep discipline specific knowledge. This can enhance your career options, progression and capabilities within the food industry, regulatory body, or within your own business.

## Entry Requirements

- Applicants must hold a second class degree or higher in a scientific discipline. Applicants from other disciplines may be accepted on the basis of previous 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.

## How will I learn?

The Professional Diploma in Food Safety and Regulatory Science is delivered through the UCD online Platform (Brightspace) and will consist of online lectures, videos, interactive learning, discussion boards and virtual classroom environments.

For each 10 credits module students are expected to undertake about 250 hours of work including online learning and independent learning activities. A repository of resources will be available to support your learning and as a UCD student you will have full access to the library. Tutorials are delivered during each module and there will also be interviews with guest speakers from the world of food safety and regulatory science.

Each module includes an assignment which will give you the opportunity to showcase your learning, development and appreciation of the issues involved.

## Graduate View

### Dr Fiona Lalor | Lecturer Food Regulation and Food Policy

This new Professional Diploma in Food Safety and Regulatory Science gives a comprehensive overview of the global food safety environment, the stakeholders, and potential hazards in the food chain as well as the process of food risk analysis. It will be invaluable for anyone looking to advance their career in the area of food safety and regulation.

### EU and Non EU Enquiries:

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# MSc Food Regulatory Affairs

(One Year Full Time)



## Programme Overview

Food Regulatory Affairs integrates science, law and food/health policy applying it to the regulation of the entire food chain, from pre-harvest to the consumer.

International perspectives on food regulatory affairs have become increasingly important, particularly since the formation of the World Trade Organisation and the international acceptance of Codex Alimentarius standards. This course is designed to provide postgraduate training for those already employed or who wish to develop careers in the food sector, regulatory agencies, government departments and trade organisations.

You will develop an understanding of legislative, policy and scientific aspects of food regulatory affairs, acquiring the skills to put this knowledge into practice and increasing your employability in the UK, European and international agrifood industry.

A jointly awarded degree from Ulster University and University College Dublin, European and global experts in science, law, economics and policy contribute to the course. Students register with the University of Ulster but also have access to all student facilities at UCD.

## Course Content and Structure

90 credits  
taught masters

=

60 credits  
taught modules

+

30 credits  
minor thesis

Modules for students enrolling on this programme include:

- Introduction to the European Union and Food Regulatory Affairs
- Farm to Fork Regulation of the Food Chain
- International Food Regulatory Affairs
- Risk Analysis
- Current Issues in European Food Regulatory Affairs
- Research Design and Statistics
- Research Project (Minor Thesis)

*Each student will carry out an individual research project of six months duration after completion of the required course work. Students will work on a project of significance to one of the stakeholders in the food sector and will be required to work closely with their individual stakeholder. Each student is assigned an academic supervisor in addition to a work based supervisor.*



## Career Opportunities

There are excellent job prospects for graduates in food and projections for graduates in this discipline are extremely positive. At a time when the importance of the link between food and regulation is becoming increasingly evident, this programme will provide graduates with the skills necessary to function in technical, advisory and management roles in the food industry, public sector and regulatory agencies.

### Graduate Roles:

- Food Regulatory Affairs
- Food Labelling
- Product Development and Innovation
- Research and Development
- Technical Sales
- Product Quality Enhancement

Graduates have the distinct advantage of bringing a regulatory perspective to each of these roles.

## Entry Requirements

- Applicants must hold a second class degree or higher in a science based degree programme. Other degrees, e.g. Law, may also be acceptable.
- Applicants have previously been accepted on the basis of previous 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.

## How will I learn?

This programme is delivered online through a modular format. A variety of methods are used to support and enhance the student learning experience including: formal lectures, case studies, online discussions, online tutorials, group working, assignments and a research project. All modules are assessed exclusively through the submission of coursework.

## Graduate View

**Dr Maxine Bonham | Monash University, Melbourne**

I undertook the MSc Food Regulatory Affairs to gain an understanding of the requirements and regulations surrounding the supply of food to the consumer. The course was well structured and a number of the lecturers are quite prolific in the area of food regulation so I found a lot of the content to be very current and topical. Although I have a strong background in nutrition the legal and political aspects behind food regulation were challenging to deal with and I learnt a great deal. Initially I undertook the course out of interest rather than to further my career, however it has turned out to be an extremely useful qualification as I now teach food regulation at Monash University, Melbourne.

### EU and Non EU Enquiries:

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 UCD School of Agriculture & Food Science  
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 w: [www.ucd.ie/agfood](http://www.ucd.ie/agfood)



*Application to the MSc Food Regulatory Affairs is through Ulster University.*

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 w: [www.ulster.ac.uk](http://www.ulster.ac.uk)



D062

Diploma and Certificate options available

# MSc Humanitarian Action



(One Year Full Time)

## Programme Overview

The MSc Humanitarian Action has evolved over a 25-year period and is distinguished by its inter-disciplinary, inter-sectoral and international nature.

This MSc provides high quality academic education and professional competencies for those working or intending to work in the area of humanitarian action and related areas. The programme supports students to build suitable networks for research and internships.

The programme provides a dynamic classroom based learning environment, involving a variety of teaching methods such as lectures, simulations and field-trips. Students have the opportunity to explore specific themes through second trimester specialisations and a minor thesis. The MSc in Humanitarian Action brings together experts from academia and the field to lecture on the different modules.

This masters programme has a long tradition of attracting students from diverse backgrounds with varying degrees of experience in the humanitarian sector and related fields.

## Course Content and Structure

90 credits  
taught masters

=

60 credits  
taught modules

+

30 credits  
minor thesis

### Trimester 1: Humanitarian Action: Disciplinary Modules

The first trimester introduces students to key humanitarian concepts, principles, issues and challenges. This is followed by five disciplinary modules to equip students with the competencies to interrogate humanitarian interventions from an inter-disciplinary perspective.

### Trimester 2: Resilience: Localising the aid effort

Students will be introduced to specialised modules on localisation and building societal resilience. Modules include linking localisation with humanitarian management, gender-based violence in emergencies and evidence-based community resilience.

### Trimester 3: Research Field Visit

Students have to complete a minor thesis on a topic of their choosing. Graduates with limited field experience are highly encouraged to participate in a field trip to partner university Wolaita Sodo University in Ethiopia where they receive first-hand experiences of aid programmes



## NOHA MSc International Humanitarian Action

UCD is part of the Network on Humanitarian Action (NOHA). In addition to the UCD MSc Humanitarian Action programme, UCD also offer an Erasmus Mundus Joint Master's in Humanitarian Action programme (see page 28). This MSc is a two year full time programme and is funded by the Erasmus + funding scheme. More than 3,000 NOHA graduates currently work in international and national agencies in humanitarian action and development.



## Career Opportunities

There are some 600 alumni of the MSc Humanitarian Action holding positions both in the field and at headquarters level around the world. Many of these alumni are employed with the UN, Government, Non-governmental organisations or within academia.

### Graduate Roles:

- Programme Managers
- Protection Officers
- Field/Country Directors
- Emergency Team Leaders
- Administrators
- Researchers
- Academics and Consultants

## Entry Requirements

The MSc Humanitarian Action is an inter-disciplinary programme welcoming students from a diverse range of backgrounds including management, politics, public health, international law, social anthropology, agriculture, science and engineering.

- Applicants must hold a minimum of an upper second class degree, or international equivalent, in a cognate subject.
- Knowledge of languages of the place(s) of study is an asset. Practical experience in the area of humanitarian action and / or development is valued.
- 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.
- Students meeting the programme’s academic entry requirements but not the English language requirements, may enter the programme upon successful completion of UCD’s International Pre-Master’s Pathway programmes.

## Graduate View

### Bernard Mendy | Nutrition Specialist, World Food Programme

My time on the MSc Humanitarian Action programme at UCD was very productive and fulfilling. The faculty were wonderful and always available for students. Their interactive teaching methods and ability to allow and encourage students to discover knowledge beyond the prescribed material must be acknowledged. A highlight of this programme for me was the range of international students. This enriches student learning and exposes you to different perspectives, enabling you to see situations from many angles. The UCD Centre for Humanitarian Action prepared me well for humanitarian and development work, which I have been undertaking since 2016. I have worked as a health and nutrition specialist for UNICEF and WFP in seven different countries over the past four years. I cherish the skills I acquired from the masters programme as they have been invaluable in the work that I do. I made a fantastic decision in choosing to study the MSc Humanitarian Action at UCD.

## UCD Centre for Humanitarian Action

The UCD Centre for Humanitarian Action was established in 2012 to reaffirm UCD’s commitment to excellence in research, innovation and professional development in the field of humanitarian action. The Centre is built on the strong foundations of an internationally recognised master’s programme and has collaborated with various governmental and non-governmental organisations around the globe for applied research and policy analysis. The Centre’s mission is to enhance the professional delivery of humanitarian action through the provision of inter-disciplinary and internationally recognised research to inform policy and practice. The centre acts as a hub for Irish humanitarian action by bringing together humanitarian stakeholders to tangibly inform policy processes of relevance to humanitarian action at the Irish, European and international levels.

### EU Enquiries:

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# Erasmus Mundus Joint Master's Humanitarian Action



(Two Years Full Time)

## Programme Overview

The Erasmus Mundus Joint Master's Degree Programme in International Humanitarian Action is an inter-university multidisciplinary postgraduate programme that provides high quality academic education and professional competencies for personnel working or intending to work in the area of humanitarian action.

Created in 1993 through the concerted efforts of the NOHA Universities in close collaboration with the DG for Humanitarian Action and Civil Protection (ECHO) and the DG for Education and Culture, the initiative was a response to a growing need for higher educational qualifications specifically suited to addressing complex humanitarian emergencies.

## Course Content and Structure

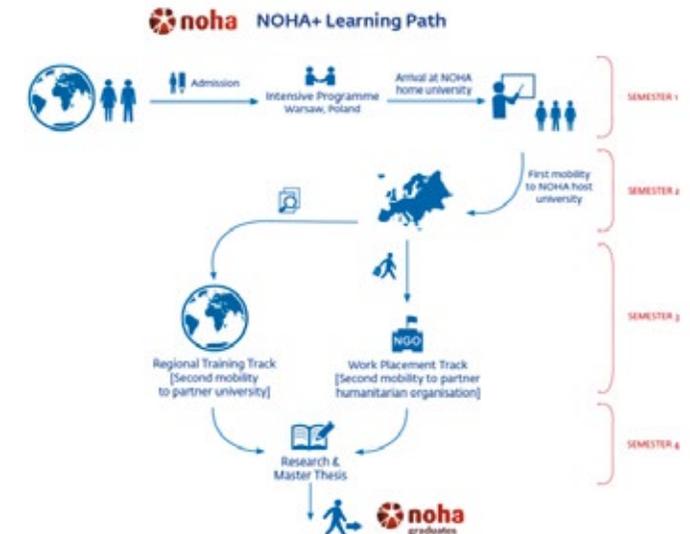
120 credits  
taught masters

=

90 Credits  
taught masters

+

30 credits  
minor thesis



## Collaboration

One of the most unique elements of the programme, collaboration, is central to the NOHA experience. Students study at different universities and benefit from rich cultural interaction and exchange of ideas and languages. It is an integral part of the NOHA teaching-learning process. The partner universities have gradually integrated the joint training and research programme into their respective curricula, achieving a high degree of co-operation and integration, while preserving their speciality and traditions. NOHA students come from all over the world and register in the NOHA network. They are admitted following a highly competitive selection process agreed by the Network and can therefore enrol for courses jointly recognised by each of the participating universities, with the assurance of good communication links between them.

## Erasmus Mundus Scholarship Opportunities:

The NOHA master's programme has been proudly supported by the European Union for almost two decades. It was one of the first 19 Master programmes selected at the start of the Erasmus Mundus programme in 2004. In July 2020, the NOHA Master was once again selected as an Erasmus Mundus programme and will continue to offer Erasmus Mundus scholarships for the next 4 editions, starting with the 2021-23 cohort.

For the first course edition, starting in September 2021, 15 scholarships will be funded by the European Union; 5 are targeted to students from Programme Countries, and 10 are targeted to students from Partner countries. Additional scholarships may also be funded by the European Union.

Additional information on the scholarship programme is available by contacting the UCD Programme Director at the contact details below.

### How do I apply for the Erasmus+ Scholarship?

Erasmus Mundus Scholarship applicants must follow the joint application procedure as established by the NOHA consortium, submit a complete application and comply with all eligibility criteria. Only candidates who have graduated before the application deadline are eligible to apply for an EM scholarship. A completed application must have been received by the deadline indicated (15 December).

## Entry Requirements

Candidates are chosen on the basis of the quality of their education and professional background, their experience in and concern for humanitarian issues, their multicultural sensitivity and their linguistic abilities.

Admission may be granted to applicants who meet the following entry requirements and common minimum eligibility criteria:

- All applicants must follow the joint application procedure as established by the NOHA+ consortium.
- Completed application (online application form and all requested documents) is submitted through the online application system by the established deadline.
- Candidates must have obtained, as a minimum, a university first cycle degree (Bachelor, EQF level 6) in a discipline of relevance to humanitarian action (medical sciences, foods sciences, economics and management, engineering, law, social sciences, education sciences, humanities).
- Candidates are required to have a recognised qualification in the language(s) of instruction of the universities they plan to attend - English is the language of instruction in all universities during all semester except for Aix-Marseilles (French - 1st & 2nd Semester) and Deusto (Spanish - 1st semester only).



## Student View

Raghda Alhaddad | Palestine

I am originally from Gaza, Palestine, and have been working as a school principal for over ten years. The massive economic decline in Palestine as a result of conflict provoked a series of humanitarian crises which compelled me to consider working in the humanitarian field. This programme has expanded my knowledge and awareness of the bigger picture of the international humanitarian field which will certainly help me in my future career as a humanitarian worker. I had the opportunity to study new concepts in management, public health, and gender-based violence. I was exposed to some of the most important aspects of my society such as localisation, resilience and the legal dimensions of humanitarian action which enriched my knowledge and insight and has also had a huge impact on my way of thinking. My professional work and volunteer experience have taught me to see hidden opportunities in difficult situations and have inspired me to establish an NGO focusing on gender equality issues when I return to Gaza.

## Global Professionals

Interdisciplinary, multicultural, and multilingual teaching by 150+ in-house experts and field-experienced guest lecturers. Over 3,000 graduates work in humanitarian relief and international co-operation for organisations and institutions in the field and at HQs globally.

## Delivering universities

- Aix-Marseille Université / AMUFRANCE
- University of Malta / UoMMALTA
- Rijksuniversiteit Groningen / RUGTHE NETHERLANDS
- Ruhr-Universität Bochum / RUBGERMANY
- Universidad de Deusto / UDSPAIN
- University College Dublin / UCDIRELAND
- Uniwersytet Warszawski / UWPOLAND
- Uppsala universitet / UUSWEDEN

### EU Enquiries:

**Dr. Desire Mpanje**

Programme Director

UCD Centre for Humanitarian Action

e: [noha.dublin@ucd.ie](mailto:noha.dublin@ucd.ie)

w: [www.ucd.ie/agfood](http://www.ucd.ie/agfood)

Non EU Enquiries: e: [internationalenquiries@ucd.ie](mailto:internationalenquiries@ucd.ie)







# Continuous Professional Development Executive Education

The UCD School of Agriculture and Food Science offer a world class executive education programme for individuals and organisations to support the development of global leaders in the Agri-Food industry. These programmes equip current and future industry leaders with the knowledge and skills necessary to address the global challenges facing the agri-food industry.

Programmes focus on key topics relevant to all sectors of the industry encompassing agriculture, food, nutrition and the environment.

Short courses and longer terms options are available at individual and organisation levels including custom programmes. Delivery is flexible and can be face to face, blended or online learning.

**EU and Non EU Enquiries:**  
**Ms Julie Dowsett**  
CPD and Executive Education  
e: [julie.dowsett@ucd.ie](mailto:julie.dowsett@ucd.ie)  
w: [www.ucd.ie/agfood](http://www.ucd.ie/agfood)



## Dawn Meats Group - Management Development Programme



**David Lyons**

Head of Human Resources, Dawn Meats, Ireland

The School of Agriculture and Food in UCD have been providing Executive Education for Dawn Meats Group for the past four years. The Leadership for Agri-Business programme is designed in line with the core company competencies and so ensures personal and business development in line with company objectives. This bespoke programme brings together a network of experts across a wide range of disciplines within the agri-food sector to deliver evidence-based relevant content in an interactive dynamic and collaborative environment. This ensures enhanced practical leadership skills are developed to grow awareness and motivate young managers for progression throughout the business. UCD have consistently maintained professionalism, flexibility and innovation in understanding the goals and focus of the company. The action learning projects give added value by providing real solutions to real challenges within the business.

The UCD Management Development Programme combines the latest in academic research with the applied experience of managing a fast-paced dynamic agri-food business.



  
Zum Betrieb mit dieser Messen Nachbestellung und  
Erfahrungsbildung werden von  
Vertriebspartner  
When working with this device the warning plate  
and safety shield have to be mounted  
on the side of robot  
Si il est travaillé avec l'appareil le panneau de  
avertissement et le capot de protection doivent être  
installés à l'avant de l'appareil  
Cuando se trabaja con la robot se debe de instalar  
y la cubierta de protección debe ser colocada  
delante de la robot

# Research Masters & PhD

Opportunities to complete research study are available at the UCD School of Agriculture and Food Science. At the heart of UCD's research strategy is the ambition to address the challenges that will shape Ireland's future and its role in the wider world.

The UCD School of Agriculture and Food Science's research programmes address key national and international challenges including environment, energy, forestry, agri-food, health, and the development of evidence-based policy. These align with the six strategic research priorities at UCD: Agri-Food; Culture, Economy & Society; Energy; Environment; Health & ICT.

As a school we harness the complementary energies of research and teaching to drive graduate education. Our goal is to produce confident, highly skilled graduates with the potential to make major scientific contributions to the knowledge economy, both in Ireland and abroad.

Graduate research opportunities are available at Masters and PhD level. A Research Masters degree is a research degree carried out over 3-6 trimesters (1 to 2 years) full time or 5-9 trimesters (15 months to 3 years) part time. A PhD degree is a research degree carried out in two stages over 9-12 trimesters (3-4 years) full time or 15-18 trimesters (5-6 years) part time.

Research Masters and PhD programmes are largely funded positions but self-funded opportunities are also available. Funded positions are advertised on the UCD School of Agriculture and Food Science website and on the UCD Graduate Studies website. Funded positions are typically competitive and involve a formal application, interview and selection process.

Where no relevant funded opportunities are available candidates can apply directly to the school. Candidates are required to identify an academic staff member who will support their application before commencing the process. Once candidates have the agreement of an academic staff member, the academic staff member submits an application for review by the School Graduate Research Education Committee and University Governing Board. The application process requires applicants to submit a research proposal, academic transcripts and other supporting documentation.



## Student View

**Katie Davies**

I am an international postgraduate research student based in the UCD School of Agriculture & Food Science. I'm an American registered dietitian with a background in public health. My research interest lies within sustainable food systems, specifically how climate change will impact the future of agriculture, food and health. I will be conducting a research study dedicated to establishing food-based dietary guidelines for sustainable and healthy lifestyles, taking into account nutritional requirements, environmental impacts, biodiversity and cultural preferences. This unique research opportunity aims to establish whether consuming a more sustainable diet is able to provide life-long health and wellness to both our society and our planet.

This research project brings together experts from a range of disciplines across UCD, UCC, UU and Teagasc and is funded by the Department of Agriculture Food and the Marine.

**EU Enquiries and Non EU Enquiries:**

**Catherine Byrne**

UCD School of Agriculture and Food Science

e: [catherine.byrne@ucd.ie](mailto:catherine.byrne@ucd.ie)

w: [www.ucd.ie/agfood](http://www.ucd.ie/agfood)



## Student View

**Dr. Nicholas Ryan**

I am a postdoctoral researcher in UCD Lyons farm where I am involved in the Systems Herd research project which began in 2016. Due to farm-level issues and environmental concerns, a high-input/high-output grass-based spring milk production system may provide farmers the best opportunity to meet performance targets, improve the sustainability of milk production and to remain profitable. The overall objective of our project is to assess this system's viability with our high EBI herd.



“

**I would credit my achievements to my beginnings in UCD and to the School of Agriculture and Food Science.**

Mairead McGuinness, European Commissioner and UCD School of Agriculture and Food Science Alumna

# ALUMNI SPOTLIGHT



**Anne-Marie Butler**

Head of Education, Teagasc  
Doctor of Philosophy



**Neil Brady**

Management Consultant (Agri-Food)  
Grant Thornton  
MSc Food Business Strategy



**Caroline Keeling**

CEO, Keelings  
MSc Food Science



**Jamie Nolan**

Climate Action Department,  
Louth County Council  
MSc Environmental Resource  
Management



**Brian Casey**

Humanitarian Management  
Consultant  
MSc Humanitarian Action



**Cliona Murphy**

Vice President Quality Assurance,  
PepsiCo  
MSc Food, Nutrition and Health



**Stephen Robb**

Tillage Agricultural Innovation and  
Renewables Specialist, Irish Farmers  
Journal  
MSc Agricultural Innovation Support



**Amelia Keane**

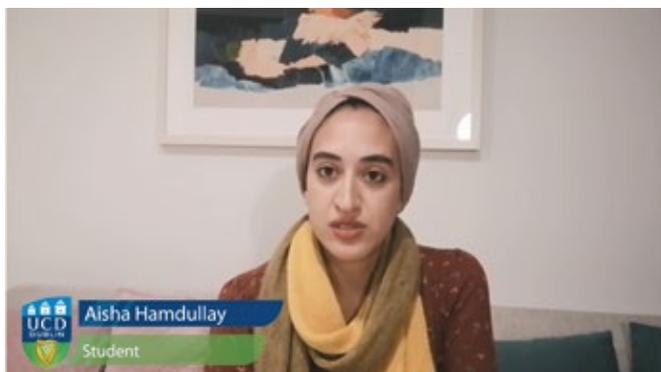
Environmental Consultant, Malone  
O'Regan Environmental  
MSc Wildlife Conservation and  
Management



Jack Kennedy; Thea Broderick; Grainne Ahern and Eimear Tobin,  
Recipients of the UCD MSc Agricultural Extension and Innovation, FDC Group Scholarships 2021.

# FURTHER INFORMATION

In addition to this prospectus further information on the graduate taught programmes on offer at the UCD School of Agriculture and Food Science are available through a variety of channels as outlined below.



## TESTIMONIALS

Students and alumni share their experience of their time at the UCD School of Agriculture and Food Science.

[www.ucd.ie/agfood/study](http://www.ucd.ie/agfood/study)



## INFORMATION VIDEOS

Watch a series of virtual information videos featuring academic staff and students from across all programmes.

[www.youtube.com/agfood](http://www.youtube.com/agfood)



## UPCOMING EVENTS

Information events will be hosted throughout the year as you make your decision about your future study plans.

[www.ucd.ie/agfood/newsandevents](http://www.ucd.ie/agfood/newsandevents)

## FOLLOW US

Follow our social media channels for up to date information and announcements





**UCD Agriculture and Food Science Programme Office**

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Web: [www.ucd.ie/agfood](http://www.ucd.ie/agfood)



Every attempt has been made to ensure that the information contained within this booklet is correct at the time of going to press, however the Agricultural Sciences Programme Board accepts no responsibility for any errors or omissions. New programmes are continually being introduced and existing programmes revised and therefore readers are advised to contact the UCD Agriculture & Food Science Programme Office for up to date programme details.