



# MSc Food Science with Nutrition at UCD

1 Year Full-time | 90 credits



## Introduction

The MSc in Food Science with Nutrition at University College Dublin (UCD) is designed to equip you with cutting-edge knowledge and the skills required to address the challenges and opportunities in the global food industry. This one-year full-time programme is a unique opportunity for graduates to excel in this dynamic field, where the need for sustainable food production, innovation, and research is growing rapidly.

By completing the MSc in Food Science with Nutrition, you will have the tools and knowledge to drive change in the global food sector, influence public health, and play a key role in advancing sustainable food production. With a range of career options from research and development to leadership and consultancy, the future is full of possibilities.

Take the next step towards an exciting and impactful career with UCD. Apply now and join the next generation of leaders in food science and nutrition.

## Who should apply?

This programme is ideal for graduates with a background in science, agriculture, engineering, or related disciplines. If you're driven to make an impact in the food industry, develop solutions for global food security, or advance food science research, this programme is for you.

## Entry Requirements

Applicants must hold a minimum 2nd class Honours degree (NFQ Level 8) in these disciplines or an international equivalent.

## Programme Content and Structure

**90 Credits**  
Taught Masters

### Mode of Delivery:

- In-person lectures, tutorials, and lab work to ensure maximum engagement and peer-to-peer learning.

Start Date: September 2025

### Modules include:

- Food Process Technology
- Pathways to Health
- Food Microbiology and Safety
- Food Regulatory Affairs
- Food Investigation
- Fresh and Processed Meats
- Milk and Dairy Products
- Plant Based Foods and Ingredients
- Design Thinking for Food Packaging
- Food Ingredients
- Principles of Sensory Science
- Food Chemistry
- Nutrients in the Life Cycle
- Innovation for Food Business
- Food and Health Research Skills
- Research Project

## Why study at UCD?



### Top-Tier University

UCD is ranked among the top 1% of higher education institutions worldwide, while the Food Science discipline is ranked 15th globally by the US News & World report. UCD offers a vibrant, supportive, and diverse community of students and scholars from over 130 countries.



### State-of-the-Art Facilities

The UCD campus boasts world-class research and teaching facilities, allowing you to immerse yourself in a stimulating academic environment.



### Strategic Location

As the capital of Ireland, Dublin is a hub for innovation, business, and culture. You'll have the opportunity to engage with industry leaders, participate in internships, and experience the thriving food and agriculture sector firsthand.



## Take the Next Step in Your Career

The MSc in Food Science with Nutrition at University College Dublin is carefully designed to help you stand out in today's dynamic and competitive food industry. Whether you're aiming for leadership positions in food production, research roles, or a career in regulatory affairs and policy, this programme gives you the tools to succeed in a variety of rewarding and impactful career paths.

### Acquire Expertise in a Rapidly Growing Industry

The global food industry is experiencing tremendous growth, driven by innovations in technology, sustainability challenges, and consumer demand for healthier, more nutritious products. By obtaining this MSc, you'll position yourself at the forefront of these developments. Graduates are equipped to excel in several key areas, including: Food Product Development and Innovation, Food Safety and Quality Management, Sustainability and Environmental Management, Nutrition and Public Health.

### Stand Out with a Diverse and Unique Skill Set

The MSc in Food Science with Nutrition doesn't just focus on technical knowledge; it also prepares you with a range of transferable skills that are in high demand across a variety of industries. By the end of the programme, you will have honed: Critical Thinking and Problem Solving, and Leadership and Teamwork

### Explore Global Career Opportunities

UCD's strong global reputation and its international partnerships give graduates access to a wide array of career opportunities worldwide. Through collaborations with its international partner institutions and recruitment channels with partner universities in China and other parts of the world, graduates are equipped for diverse roles on the international stage. You could find yourself in: Multinational Food Companies, Government and Regulatory Agencies and Non-Governmental Organisations (NGOs)

### Pursue Research Opportunities and Pathways to a PhD

If you're drawn to research or academia, the MSc provides a solid foundation for further study. Graduates who want to continue their academic journey can pursue PhDs in food science, nutrition, or related fields. This MSc provides essential research experience through its final project, giving you the qualifications and practical research skills required for doctoral studies. Graduates could also pursue research roles in: University Research Institutes and Corporate R&D Departments.

### Thrive in a High-Demand Sector

The global food industry is evolving rapidly, and the demand for professionals with advanced expertise in food science and nutrition is growing. Graduates of this MSc will be qualified for a variety of high-demand roles, including:

- **Food Technologist:** Develop new food products and improve existing ones by applying scientific principles to food production.
- **Product Development Manager:** Lead innovation projects and oversee the development of new food and drink products from concept to launch.
- **Supply Chain Manager:** Ensure the efficient flow of goods from suppliers to manufacturers, ensuring sustainability and compliance with food safety standards.
- **Food Business Entrepreneur:** Start your own company, leveraging your expertise in food science to create innovative and sustainable food solutions.

Graduates are also increasingly recruited for roles in Sustainability Consultancy, Corporate Social Responsibility (CSR) Management, and Sustainable Product Design, reflecting the growing importance of sustainability in the industry.

## Why Choose UCD for your MSc in Food Science with Nutrition?

- **World-Class Education:** UCD is globally renowned for its excellence in education and research. The programme is housed within the UCD School of Agriculture and Food Science, where the expertise in food science and nutrition provides students with a multidisciplinary learning environment.
- **Specialized Curriculum** This programme offers a comprehensive blend of food science, nutrition, and transferable skills. Students will gain in-depth knowledge in key areas such as food safety, regulatory affairs, food processing technology, and nutrition throughout the life cycle, preparing them to address both current and future challenges in the food sector.
- **Global Career Opportunities** With a turnover of €27.5 billion and exports worth €13 billion, Ireland's food and drink industry is a cornerstone of the national economy. Graduates of this MSc are poised to take on critical roles within this thriving sector, both in Ireland and internationally. Additionally, the rise of plant-based diets, sustainability concerns, and innovations in food technology mean that graduates skills will be in high demand globally.
- **International Focus** The MSc programme is suitable for international students, with potential recruitment from UCD's international partners in Europe, China and the USA. This global perspective will prepare students for work in the interconnected world of food science.
- **Hands-On Learning and Research** Through project work, group seminars, research opportunities, and industry collaborations, students will develop practical skills alongside theoretical knowledge. The MSc includes a research project and assessments such as critical analyses, essays, case studies, and presentations, ensuring that students graduate with a well-rounded set of skills.
- **Pathway to PhD** If students are interested in further research, the MSc programme offers the perfect stepping stone to a PhD, with various optional modules and research projects tailored to support students' academic growth.