



## Graduate View

**Oisín Gryson** | Food and AgriBusiness, ifac

Growing up on a dairy goat farm, agriculture has always been one of my major passions in life. So, when it came to deciding which college course I wanted to do, Agricultural Science in UCD was my number one choice. Following first year in omnibus, I chose to specialise in Agricultural Systems Technology. With small class sizes, this degree allowed you to have great interaction with the lecturers and also meant you grew closer to your classmates. I joined the UCD GAA team during my second year. My current job in the ifac Food and AgriBusiness department allows me to work in the sector which I am most passionate about. We work as strategic consultants to food and agribusinesses whether they are looking to start a farm diversification project or an established business looking to access corporate finance. My degree played an integral role in helping me to secure my current position. It allowed me to expand my understanding of the agricultural sector and helped me to develop an alternative way of handling challenges.

My advice to anyone studying Agricultural or Food Science in UCD would be don't be afraid to try something different and step out of your comfort zone.



## Agricultural Systems Technology

DN250

### Year 1 Subjects

Animal Biology & Evolution
Introductory Chemistry
Mathematics for Agriculture
Physics for Agricultural Science
Agricultural Economics & Business
Information Skills
Biosystems Engineering Design Challenge
Cell & Plant Biology
Optional Modules

### Year 2 Subjects

Agricultural Eng Principles
Food Physics
Animal Nutrition
Soil Science Basics
Principles of Crop Science
Health, Welfare & Safety
Introduction to Programming
Food Macronutrients
Applied Biostatistics
Agricultural Microbiology
Elective Modules

### Year 3 Subjects

Agri Mech: Engines and Crops
Agri Mech: Hydraulics & Component
Biosystems Eng Research Trends
Business Management
Grass & Forage Production
Numerical Methods for Agriculture
Sensors and Sensing
Applied Programming
Geographical Information System
Databases & Information Systems
Professional Work Experience

### Year 4 Subjects

Capstone Project
Life Cycle Assessment
Waste Management
Quantitative Risk Assessment
Precision Livestock Mgmt
Optical Sensing Technology
Precision Agriculture
Farm Business Mgmt
Elective Module

## BAgrSc Honours

### UCD Graduate Study

MEng Food Engineering
MSc and PhD Research
MSc Food Safety & Risk Analysis
MSc Public Health
MAgrSc Sustainable Agriculture and Rural Development
MAgrSc Environmental Resource Management

### Career Opportunities

Technical Engineer
Teacher/Lecturer
Production Manager
Farm Manager
Operations Manager
Policy Analyst
Business Manager

Technical Sales Manager
Scientist
Environmental Consultant
Project Manager
Food Processing
Banker

### Conversion or Complementary Courses

Professional Master of Education (PME)
MSc Business Studies
Master of Business Administration
HDip Computer Science
Master of Accounting

Students interested in progressing to the Agricultural Systems Technology degree through the omnibus route are advised to study Mathematics for Agriculture I (MATH10240) in Year 1.

## Student View

**Mark Tully**

Choosing to study Agriculture Systems Technology (AST) in UCD is the best decision I have ever made. I grew up with a keen interest in engineering, mechanisation and computer science. Selecting AST allowed me to merge my passion for learning about new technologies with my background in agriculture.

My highlight in UCD was spending time with my classmates in the School of Agriculture and Food Science over the past four years.

The welcoming and friendly student culture is unique to the School, and I'd have been lost without the support of my classmates in both AST and across the School of Agriculture and Food Science.

Overall, I think Agriculture Systems Technology has a huge part to play in the future of today's world, and I'd recommend this programme to anyone as a first class opportunity.

