



NUI Galway
OÉ Gaillimh

Plant and AgriBiosciences
Research Centre



Structured MSc (AgriBiosciences)

The 1 year Structured MSc (AgriBiosciences) is a research-focused program for students who want to develop careers in the vibrant agriculture, agri-food and bio-economy sectors in Ireland or internationally.

Structured MSc (AgriBiosciences) students complete their (7-10 month) Research Project within research teams in the Plant & AgriBiosciences Centre (PABC) or in a partner organisation (e.g. Teagasc).

The Research Project is complemented by specialised training modules to equip each MSc graduate for a career in the rapidly-growing agriculture and agri-food sector.



Contact information / Enquiries to:

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Course Facts

Course level: Level 9

Duration: 1 year

Entry Requirements: Candidates should hold (or expect to soon complete) an Honours degree; candidates who do not meet this requirement but who have 3 years relevant work-experience within the agribiosciences arena, will be considered for admission in accordance with University policies on Recognition of Experiential Prior Learning.

Fees: €6,815 (EU), €13,750 (non-EU) ; see <http://www.nuigalway.ie/courses/research-postgraduate-programmes/structured-phd/agribiosciences.html>

Applying: www.pac.ie/nuigalway

Closing date: 31st August

www.plantagbiosciences.org



Why should you study the MSc (AgriBiosciences) Program?

The MSc (AgriBioscience) is specifically tailored to transition you to a career in the vibrant and exciting agri-food sector in Ireland or internationally. The EU agri-food industry has a €600 billion annual turnover, and is the continent's third largest employer (2.6 million jobs, excluding farmers). The MSc (AgriBiosciences) has been developed in partnership with Ireland's national agri-research body, Teagasc and provides the opportunity to do your research project with Teagasc or other national/international agriculture or agri-food employers. The program also provides hands-on training in AgriBusiness and AgriFood Markets, and in developing Career Strategy skills.

MSc (AgriBiosciences) Program Outline

In Semester I of the MSc (AgriBiosciences), you will study four tailor-made taught modules that provide training in key areas for planning an agribiosciences career. These modules are taught by experts in the field from the NUI Galway PABC, Teagasc and other national/international partner organisations, and are examined through production of student reports, investor pitches, presentations and learning journals.

Module 1:

Understanding Ireland's Agriculture and Agri-Food Sectors (5 ECTS)

Module 2:

AgriFood Sustainability & Agri-Resilience Challenges (5 ECTS)

Module 3:

Understanding AgriBusiness & AgriFood Market Trends (5 ECTS)

Module 4:

AgriFood Career, Communication & Impact Pathway Skills (5 ECTS)

These are supplemented with training in transferrable graduate skills. In Semester II, you will begin your MSc Research Project in agribiosciences innovation under the supervision of experts from the NUI Galway Plant & AgriBiosciences Research Centre, Teagasc, and/or other national/international institutions or companies (see www.plantagbiosciences.org for details).

Your Research Project is written up as a Thesis and presented to your supervisors and classmates at the end of the year.



MSc (AgriBiosciences) Employment & Career opportunities

The "Green Economy" demand for renewable agriculture-derived products (food, animal feed, nutritional and nutraceutical products, bioenergy, industrial chemicals, fibres and biocomposites) will grow rapidly over coming decades. This demand will require a synthesis of innovative new skills and outlooks in agribiosciences, precision agriculture, and climate-smart farm "next-generation" innovations. The MSc (AgriBiosciences) will provide you with the specialised skillsets needed to build a career in this sector and has been designed to build links between our MSc graduates and major agricultural and agrifood employers and agencies.

On completion of the MSc (AgriBiosciences), you will have a proven track record in agri-biosciences research and innovation topics, transferable post-graduate skills and a strong career planning skills. You will also have had the opportunity to meet and work with leading researchers and industry figures. This MSc will equip you to successfully compete for opportunities in industry, government agencies, further education (e.g. PhD research), or entrepreneurial activities.



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