GMIT
INSTITIÚID TEICNEOLAÍOCHTA NA GAILLIMHE-MAIGH EO
GALWAY-MAYO INSTITUTE OF TECHNOLOGY

Agricultural Engineering

This exciting new degree prepares graduates to work as engineers in the agricultural sector in Ireland and overseas.

Programme Title:	CAO Code	NFQ Level	Campus	Duration
BEng in Agricultural Engineering	GA 675	7	Mountbellew & Galway	3 years
BEng (Honours) in Agricultural Engineering	GA 683	8	Mountbellew & Galway	4 years

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www.gmit.ie

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Why Study Agricultural Engineering?

The agri-food sector is one of Ireland's most important indigenous manufacturing sectors, accounting for the employment of around 150,000 people. This degree has been designed to deliver high quality agricultural engineering graduates to local and national agricultural and agri-food industries.

Students on this course will develop expertise in:

- Design of machinery
- Manufacturing
- Process control and automation, including Smart Agri
- Agri-Science

What to expect

In Year One, students will be based in GMIT Mountbellew, with some lectures in GMIT Galway (free bus provided). In Years Two and Three, they will be based in GMIT Galway with one day per week in Mountbellew. For students completing Year Four, they will be based full-time at GMIT Galway.

This degree is very practical with weekly lab classes, workshop practice, individual and group projects, and work placement experience. Each student will receive, on average, 24 hours of tuition per week.

Subjects include:

- Computer Aided Design
- Agricultural Technology
- Engineering Science
- Manufacturing Engineering
- Mechanics and Dynamics of Machines
- Power Hydraulics
- Animal and Crop Production Science
- Smart Agri
- Soil Science and Nutrient Management
- Machine Design
- Farm Management

See www.gmit.ie for more details.

Career Opportunities

Graduates will be able to work in the following areas, both nationally and internationally:"

- Technical/engineering drafting, field technicians
- Agricultural engineering design/systems design
- Agricultural systems (destructive and non-destructive testing)
- Agricultural processing, engineering sales, service etc.
- Cognate disciplines which involve heavy machinery design (i.e. Forestry, Peat & Mining)
- Bioenergy/biomass sector

Some graduates may also become self-employed.

Entry Requirements

Minimum LC grade of O4/H7 in Mathematics, in addition to general entry requirements.

Work Placement

This degree includes a 20 week work placement in Year 3.

"Agricultural machinery has evolved into a very strong sub-sector within Irish Engineering. The sub-sector generates exports of over €100 million."

Enterprise Ireland

Further study:

Graduates of the three-year, Level 7 degree may progress to the final year of the Level 8 Honours degree.

GMIT honours (Level 8) qualifications are recognised worldwide for postgraduate entry.

Furthermore, GMIT has strong research connections with local industries, and some graduates may have an opportunity to register on funded M.Sc., M. Eng. or PhD research programmes.

Further information:

Dr Carine Gachon lectures on this course.
She will be happy to help you.

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