



OLLSCOIL NA
GAILLIMHÉ
UNIVERSITY
OF GALWAY

Coláiste na hEolaíochta
& na hInnealtóireachta
College of Science
& Engineering



Structured MSc
**Key Enabling
Technologies**
MSC-KET

University
ofGalway.ie

Structured MSc Key Enabling Technologies

MSC-KET

Why choose this course?

The MSc programme provides students with structured training in Scalable Innovation and Advanced Manufacturing. This training is underpinned by advanced courses in Optical Design, Advanced Materials, and Tissue Engineering.

The programme is particularly focused on digital additive and subtractive processes—targeting personalised medical devices and sensors—pivotal for addressing future key healthcare challenges. Students will gain hands on experience on state-of-the-art manufacturing research platforms enabling them to demonstrate their research potential.

Course Overview

Key Enabling Technologies are recognised by the European Union to be the building blocks for future product and process technologies. Europe's future competitiveness depends on how its labour force will apply and master the fusion of two or more key enabling technologies on advanced manufacturing test-beds. This interdisciplinary programme prepares early stage technologists by working in partnership with industry.

Career Opportunities

Graduates from this programme find employment in advanced manufacturing industries or continue on to pursue PhD studies centred on realising the next generation of biomedical devices. The programme is strategically positioned to produce graduates capable of realising a new generation of medical and electronic devices based on biomaterials activated by electrical, optical, and thermal stimulation.

Duration

1 year, full-time

Average Intake

5–10

During the course, I found that the level of practical experience working in a high-tech environment was greatly beneficial. The work placement module provided opportunities to meet and connect with companies related to my career.

Darren Molloy
Student



Find out more

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