



OLLSCOIL NA
GAILLIMHE
UNIVERSITY
OF GALWAY

Coláiste na hEolaíochta
& na hInnealtóireachta
College of Science
& Engineering



BE/ME

Biomedical Engineering

University
ofGalway.ie

BE/ME

Biomedical Engineering

Why choose this course?

Biomedical engineers design and create medical implants and devices, such as coronary stents and orthopaedic implants, and biomaterials for clinical treatments. They also apply their engineering skills to problems in human biology and are at the forefront of developments in human medicine in the 21st century, working in partnership with the medical profession to diagnose and treat disease, and repair or replace damaged living tissue.

Locally based biomedical companies, of which there is a significant cluster, were involved in its design. It therefore remains highly relevant to the needs of industry while giving students a full training in engineering design principles and their application to the human body in an interdisciplinary environment.

Course Overview

This integrated masters (BE + ME) degree programme was developed as a result of the need within the biomedical industry for highly skilled personnel. Biomedical Engineering is a branch of engineering that has grown enormously internationally over the last 20 years, and involves the use of cutting-edge technologies to help improve human healthcare. If you want an interesting and exciting career that involves the application of engineering principles to medicine and biology, this may suit you.

Career Opportunities

Biomedical Engineering offers a variety of career opportunities in such areas as the medical technology industry and other high tech industries, multi-national and start-up companies (many of our graduates have successfully generated their own start-up companies), academic research and education, and government regulatory agencies. With eight of the world's top ten biomedical companies based in Ireland—many of which are in Galway—there are outstanding prospects for employment nationally, while remaining open to opportunities overseas.

Duration

4/5 years

I have really enjoyed the Biomedical Engineering programme, especially the 8 month work placement in 4th year. It is giving me a great education and the skills that I need to be successful in my future career.

Elizabeth Mulvihill
Integrated Masters (BE/ME)
Biomedical Engineering



Find out more
The College of Science
and Engineering



Aisling Rooney
Biomedical Engineering
+353 91 492 723
biomedeng@
universityofgalway.ie

