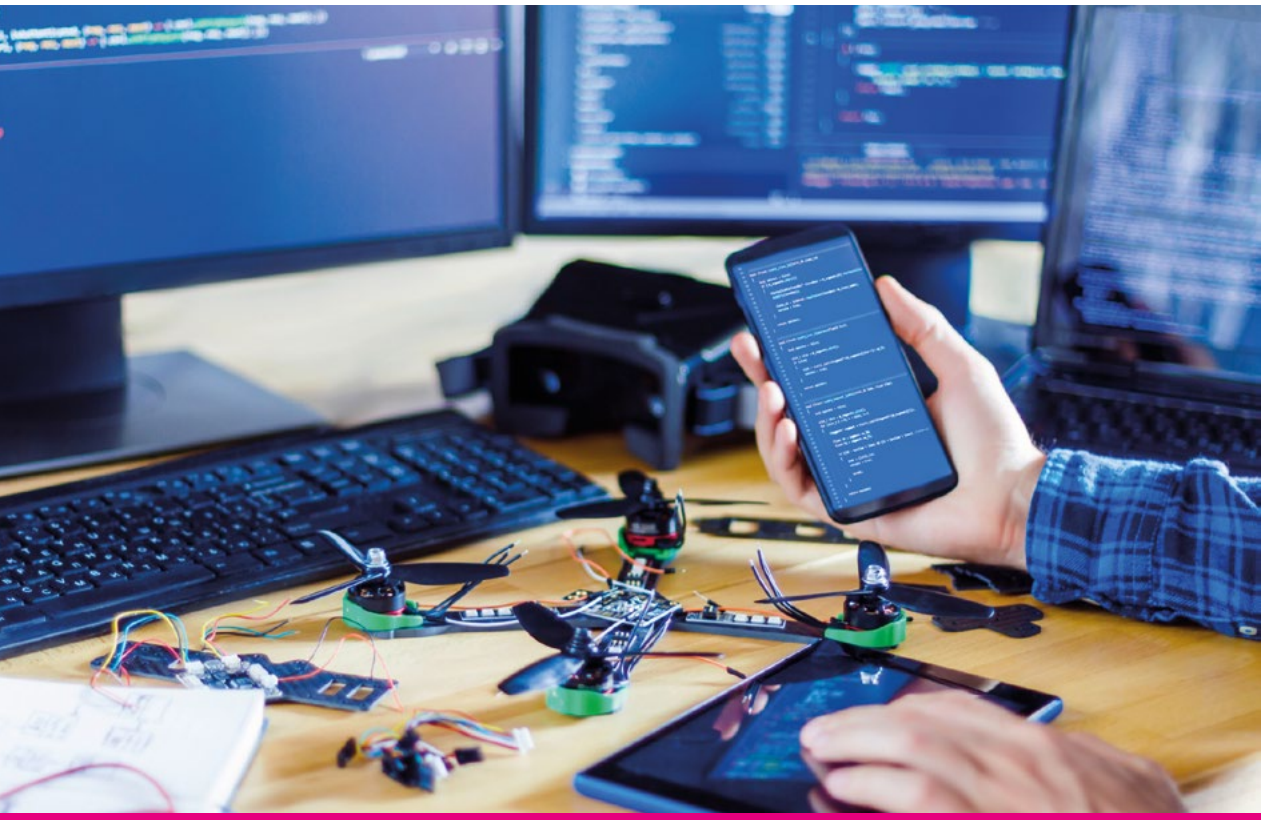
Ollscoil na Gaillimhe
University of Galway

Coláiste na hEolaíochta
& na hInnealtóireachta
College of Science
& Engineering



ME
# Electronic and Computer Engineering

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ME

# Electronic and Computer Engineering

## Why choose this course?

This ME programme is designed as a follow-on to a Level 8 (Honours) degree in Electronic & Computer Engineering (or equivalent) but graduates with an honours Bachelor's degree in a cognate Engineering discipline may also be eligible to take this ME. This ME will be of particular interest to graduates who wish to study more advanced topics in electronic/computer engineering such as embedded systems, machine vision, biomedical electronics, consumer electronics, communication systems, IoT, cyber security and machine learning/AI, among others and want to accelerate to positions of leadership. The programme is designed to equip students not only with technical skills but also with research and innovation skills by incorporating sustainability, innovation, entrepreneurship, and research methods into the curriculum.

## Course Overview

This ME programme is a 60 ECTS one academic year course of study. It will consist of 60 ECTS divided into advanced Electronic & Computer technology modules, engineering transferable skills modules and a 20 ECTS individual project defined in one of the following research areas: signal and image processing, embedded systems, communications systems, consumer electronics, and biomedical electronics. The programme combines advanced theoretical knowledge and practical experience through lab work and a substantial (nine-month long) individual project/thesis providing students with hands-on experience with cutting-edge technologies.

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## Career Opportunities

Completing the University of Galway/Engineers Ireland accredited BE/ME degree in Electronic and Computer Engineering offers a passport to national and international career opportunities in a wide and diverse range of industries including software/ICT, Gaming, microelectronics, medical devices, telecommunications, energy, automotive, among others, that use software and hardware expertise. There is a strong demand for graduates of this programme in industries ranging from large multinationals, indigenous companies, state bodies and small businesses. Graduates may also wish to join or form their own start-up business, as many of our graduates have done so successfully in the past.

## Duration

1 year, full-time

## Average Intake

20

> **This course helped me pursue my passion for the field of Electronics Engineering. Most of the modules in the ME were optional so I had the freedom to take all the modules that I liked. The most important was the project which helped me a lot in all aspects from designing a device to writing a technical report.**
>
> **Anish Pawar**
> ME Electronic and Computer Engineering

**Find out more**
The College of Science and Engineering

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