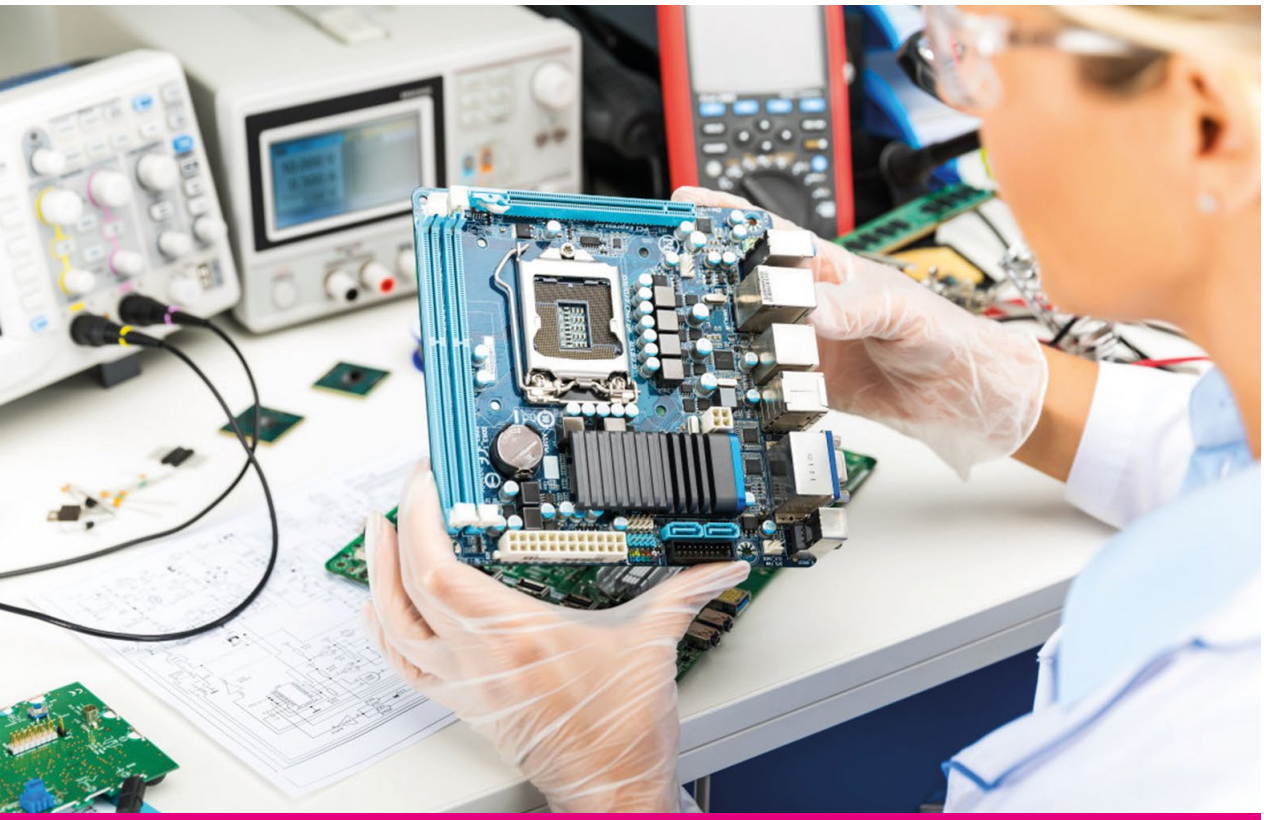
Ollscoil na Gaillimhe
University of Galway

Coláiste na hEolaíochta
& na hInnealtóireachta
College of Science
& Engineering



ME
Electrical and Electronic Engineering

University
*of*Galway.ie

ME

Electrical and Electronic Engineering

Why choose this course?

The ME in Electrical and Electronic Engineering is ideally suited to graduates of Level 8 BE degrees in Electrical/Electronic Engineering (or equivalent) who want to advance their engineering knowledge towards a progressive career in industry or research based on electrical/electronic applications.

It provides training in a range of advanced electrical/electronic technologies and transferrable skills to prepare graduates for leadership roles in industry. An individual project allows students to focus on a technology of choice, enabling them to specialise towards a particular technology sector. It will be of interest to graduates who wish to study advanced topics in their core engineering discipline.

Course Overview

The ME programme is a 60 ECTS one academic year course of study. It is divided into three areas: advanced technologies in Electrical and Electronic Engineering (20–25 ECTS); transferrable skills for employment in industry and/or a research career (15–20 ECTS); and technology development through an Electrical and Electronic Engineering project and thesis. In order to provide graduates with flexibility to direct their careers in different sectors, project topics are available in the following technology areas:

- Embedded Systems Design;
- Signal Processing and Communications;
- Power Electronics and Energy Conversion
- Biomedical, Biometrics and Bio-inspired Electronics

Career Opportunities

Graduates of this programme are in high demand in a wide range of industries, including automotive electronics, microelectronics, electrical engineering, renewable energy, automation, medical devices, and telecommunication. Electrical and Electronic engineers work in a variety of roles including product design and development, field testing, applications engineering, electrical consultancy and project management.

Duration

1 year, full-time

Average Intake

20

> **Completing the ME in Electrical and Electronic Engineering has been a beneficial next step in my electronic engineering career. The programme has equipped me with state of the art theoretical and practical knowledge and working principles of electronic hardware and software used in combination for real-world applications.**
>
> David McNamara
> Graduate

Find out more
The College of Science and Engineering

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