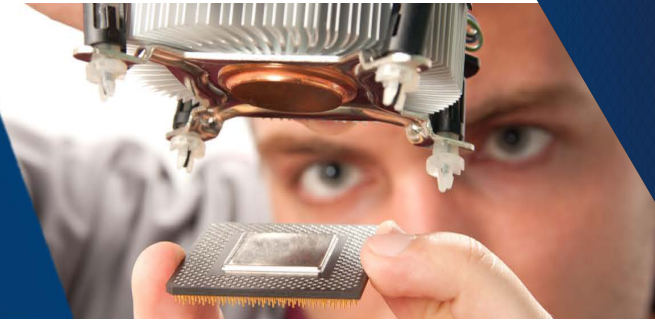


ME Electronic & Computer Engineering

Two Years Full Time (September start)



Introduction

Ireland has evolved into one of the world's most important centres for high-tech businesses. The ICT sector in Ireland is a thriving and growing industry with 9 of the top 10 global ICT companies maintaining a presence in Ireland. The economic contribution of the sector is substantial. The ICT industry is responsible for approximately 25% of Ireland's total turnover, representing one-third of Ireland's

exports by value. This ME in Electronic & Computer Engineering is a two-year programme designed to develop professional engineers who can excel in the electronic and computer sectors worldwide. The ME programme is professionally accredited by Engineers Ireland and recognised by the Washington Accord for Chartered Engineer status.

Course Highlight

Delivered by a highly research-intensive School composed of many internationally high-profile academics including five IEEE Fellows. This two-year programme provides 6-8 months' professional work experience as an embedded element of the programme.

Course Content and Structure

- 120 credits taught masters
- 65 credits taught modules
- 25 credits Research Project
- 30 credits Work Experience

Modules may include:

- Advanced Signal Processing
- Analogue Integrated Circuits
- Control Theory
- Data Science in Python
- Digital Communications
- Digital & Embedded Systems
- Entrepreneurship in Engineering
- Information Security
- Information Theory
- Machine Learning for Engineers
- Networks and Internet Systems
- Neural Engineering
- Optimisation Techniques for Engineers
- Professional Engineering Management
- Quantum Computing
- Software Engineering
- RF Electronics
- Wireless Systems

Why study at UCD?



Graduate education

12,800 graduate students; 17% graduate research students; structured PhDs



Global community

9,500 international students and a 300,000 alumni network across 165 countries



Global Profile

UCD is ranked in the top 1% of higher education institutions worldwide



Global careers

Dedicated careers support; 2-year stayback visa to work in Ireland



ENGINEERS IRELAND

ACCREDITED PROGRAMME



Career Opportunities

There are excellent job opportunities available in the ICT sector in Ireland. The Irish Government has an ongoing commitment to generating thousands of jobs in the ICT sector every year. As one of the top priorities of our economy, Ireland's ICT industry is rich in expertise, innovation and development – while Dublin has quickly become known as one of the tech start-up capitals of Europe. Employers in this area include Accenture, Analog Devices, Intel, Microsoft, SAP, Synopsys, Xilinx, Qualcomm, Google, Facebook and LinkedIn

Graduate Profile

Ruth Fitzmaurice
Intel



When looking at postgraduate courses, the electronic and computer engineering masters at UCD stood out to me due to its excellent facilities and respected lecturers. The two-year course includes an 8-month internship, 3 trimesters of taught subjects and an 8-month research project. For my internship, I worked with the Internet-of-Things and Wearables Group at Intel. Working within Intel as an intern gave me the opportunity to enhance the technical and problem-solving skills I acquired throughout my previous three years at UCD. I am currently working as a Graduate Product Development Engineer with the Manufacturing Verification and Performance Group in Intel.

Applicant Profile

- ◆ Applicants must hold a bachelor's degree with a minimum upper second class honours (NFQ level 8) or international equivalent in an Electrical, Electronic or Computer Engineering programme.
- ◆ Applicants whose first language is not English must also demonstrate English language proficiency of IELTS 6.5 (no band less than 6.0 in each element), or equivalent.
- ◆ Students who do not meet the IELTS requirement may wish to consider taking the Pre-Sessional or Pre-Masters Pathway. Full details <https://www.ucd.ie/alc/programmes/pathways/>

International Fees and Scholarships

Tuition fee information is available on www.ucd.ie/fees. Please note that UCD offers a number of graduate scholarships for full-time, self-funding international students, holding an offer of a place on a UCD masters programme. Please see www.ucd.ie/global/scholarships/ for further information.

Related Masters Programmes of Interest

- ME Optical Engineering
- MEngSc Electronic & Computer Engineering
- MSc Advanced Software Engineering
- MSc Computer Science (Negotiated Learning)
- MSc Information Systems

CONTACT US

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APPLY NOW

This programme receives significant interest so please apply early online at www.ucd.ie/apply