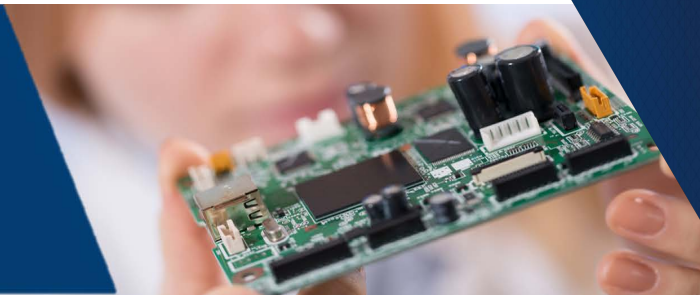


MEngSc Electronic and Computer Engineering

One Year 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 with the ICT industry currently responsible for approximately 25% of Ireland's total turnover, representing one-third of Ireland's exports by value. The MEngSc in Electronic & Computer Engineering is a year-long programme designed

to provide training for engineers who wish to work at a high level in the electronic and computer sectors worldwide. You will develop an advanced understanding of the theory and technology of modern electronic and computer systems and their business environment. You will build your knowledge through taught modules and project work and you will learn about design, innovation and problem solving at a level significantly beyond that of your bachelor's degree.

Course Highlight

Delivered by a highly research-active School composed of many internationally high-profile academics, including five IEEE Fellows. This master's provides intensive training to up-skill students to meet the needs of the growing Irish ICT sector.

Course Content and Structure

- 90 credits taught masters
- 60 credits taught modules
- 30 credits dissertation

Designed to meet the demands of modern high technology industries, this MEngSc covers topics from electronic engineering and computer science to business, delivered by internationally renowned academics. The modules that you take will depend on your interests and on your prior education.

Modules may include:

- Advances in Wireless networking
- Analogue Integrated Circuits
- Computer Science for Engineers
- Control Theory
- Digital Communications
- Digital System Design
- Enterprise, Innovation and Entrepreneurship
- Data Science
- Networks and Internet Systems
- Neural Engineering
- Numerical Algorithms
- Information Security
- Performance of Computer Systems
- Photonic Engineering
- Processor Design
- Research Skills and Techniques
- RF Electronics
- Software Engineering Project
- Signal Processing
- 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

