

# MEngSc Engineering Management

One Year Full Time (September start)



## Introduction

The MEngSc Engineering Management programme offers a unique opportunity for engineering students to deepen their knowledge of the areas of business and management and is open to engineering students of all disciplines. This programme is aimed at students who have already completed a bachelor's degree in Engineering and wish to embark on successful careers in the management of global engineering and technology firms. This one-year master's degree provides grounding in operations,

quality, marketing, systems planning, and analysis while building on students' technical expertise to develop the next generation of industry leaders. Our teaching methods and learning environment are highly interactive and varied, and include lectures, workshops, tutorials, labs, and practical exercises. Group-based modular projects and a final applied company-based consultancy project enable students to integrate the covered theoretical knowledge with practice.

## Course Highlight

This programme is delivered by the School of Mechanical & Materials Engineering, which has more than 50 years' experience in teaching Engineering Management. The School has well-established industrial links both nationally and worldwide.

## Course Content and Structure

- 90 credits taught masters
- 50 credits engineering modules
- 20 credits research project
- 20 credits business modules

**Applied research project:** This programme offers students a practical company-based project during the summer trimester. This summer project provides immense opportunity to the students to demonstrate their capabilities while working with a company, increasing their chances of employment with the same company.

### Modules may include:

- Design & Innovation
- Applied Research Project
- Technical Communication (Option)
- Operations Management
- Engineering Decision Support Systems
- Business Information Systems Management
- Marketing Management
- Systems Analysis & Improvement
- Supply Chain Design & Analysis
- Engineering Project Management - Tools & Techniques
- Introduction to Manufacturing
- Simulation & Robotics
- Quantitative Methods for Engineers
- Professional Engineering (Finance)

## 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



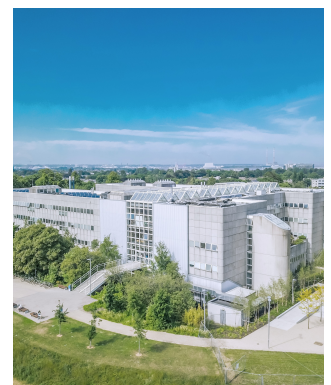
### Global Profile

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





## Career Opportunities

Career opportunities are very broad for graduates of MEngSc Engineering Management, apart from the usual engineering discipline-specific job opportunities based on their bachelor's degree, students will be equipped with enough knowledge and experience to pursue a career related to the job positions, such as quality analyst, data analyst, operations analyst, supply chain planner, project management and continuous improvement analyst. The acquired skill sets are invaluable when embarking upon careers in many sectors including energy, consumer goods, medical technology, management consulting, ICT and automotive. Prospective employers include Accenture, Intel, RPS, SAP, Maxim Integrated, Boston Scientific, Microsoft, PwC, Deloitte, Accenture and many more.

## Graduate Profile

Abhijit Santhanam  
Boston Scientific



## Applicant Profile

- Applicants must hold a bachelor's degree with a minimum upper second class honours (NFQ level 8) or international equivalent in a relevant 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](http://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/](http://www.ucd.ie/global/scholarships/) for further information.

### Related Masters Programmes of Interest

- ME Engineering with Business
- MSc Management

UCD's worldwide reputation and the program structure, made UCD an obvious choice to further my studies. I completed my master's program in 2019. The program offers best of both, engineering and management worlds. With core engineering modules like Production system analysis to management modules like Marketing management and Business Information Systems. There was a lot of focus on practical and industry-based learning, with case studies and business simulations. The modules are delivered by faculty from the UCD College of Engineering and Architecture, UCD School of Business and leading industry practitioners. I strongly recommend international students to consider master's in engineering management as an academic option. I hope to see you all in UCD.

### CONTACT US

**Irish/EU Students** – Katie O'Neill **E:** [katie.oneill@ucd.ie](mailto:katie.oneill@ucd.ie) **T:** +353 1 7161781 **W:** [www.ucd.ie/eacollege](http://www.ucd.ie/eacollege)  
**International Students** – **E:** [eamarketing@ucd.ie/internationalenquiries@ucd.ie](mailto:eamarketing@ucd.ie/internationalenquiries@ucd.ie) **T:** +353 1 7168500  
**W:** [www.ucd.ie/global](http://www.ucd.ie/global)

### APPLY NOW

This programme receives significant interest so please apply early online at [www.ucd.ie/apply](http://www.ucd.ie/apply)