

# 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 master's
- 20 credits research project
- 50 credits engineering modules
- 20 credits business and statistics 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
- Professional Engineering (Mgt) (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 Robotics
- Quantitative Methods for Engineers
- Professional Engineering (Finance) (Option)
- Data Analytics for Engineers
- Industrial Automation (option)
- Robotics Applications (option)

## Why study at UCD?



### Tradition

Established 1854, with over 170 years of teaching & research excellence



### Employability

UCD is ranked in the top 100 worldwide at 88th globally for employability outcomes for graduating students.



### 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

Danielle Lombardi  
AECOM Ireland



When looking for the most suitable master's programme for my career, I wanted a course that would upskill my civil engineering qualifications in an innovative and broad manner. The Engineering Management programme offered the perfect combination of engineering and management subjects, aligning with the career I was interested in and helping me to enter the market in Ireland, upskilling me to become a project manager in the construction industry.

During my time at UCD, I had the opportunity to study various subjects that were not part of my civil engineering qualification, such as supply chain management, engineering systems improvement, and robotics. These subjects pushed me out of my comfort zone, preparing me for the job market as a well-rounded engineer and project manager. I also experienced the multicultural environment of UCD's campus and programme, which reflects the growing multicultural and multidisciplinary Irish market.

I strongly recommend the programme to anyone with an engineering background who wishes to invest in their career as a manager, design engineer, or similar role by becoming a well-rounded professional.

## Entry Requirements

- ◆ 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-Master's Pathway. Full details [www.ucd.ie/alc/programmes/pathways/](http://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 Master's Programmes of Interest

- ME Engineering with Business
- ME Management
- ME Manufacturing Engineering

### CONTACT US

**Website:** [www.ucd.ie/eacollege/contact/](http://www.ucd.ie/eacollege/contact/) or [www.ucd.ie/global/enquire/](http://www.ucd.ie/global/enquire/)  
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### APPLY NOW

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