



University College Dublin
Ireland's Global University



MEngSc ENGINEERING MANAGEMENT (ONE YEAR FULL TIME)

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.

We seek to develop creative problem solvers who can critically analyse problems in a business context, and propose and develop practical and feasible solutions.

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. All these unique features are the key elements in the programme's design and success over the years.

ESTABLISHED INTERNATIONAL INDUSTRIAL CONNECTIONS

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.

WHY STUDY AT UCD?



Tradition

Established 1854, with 160 years of teaching and research excellence



Global profile

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



Global community

Over 8,000 international students from over 139 countries study at UCD



Global careers

Degrees with high employability; dedicated careers support; two-year stay-back visa (for non-EU students)



Safety

Modern parkland campus with 24-hour security, minutes from Dublin city centre

COURSE CONTENT AND STRUCTURE

90 credits
taught
master's

42.5 credits
engineering
modules

27.5 credits
business and
statistics modules

20 credits
applied research
project

Modules include:

- Design & Innovation
- Applied Research Project
- Technical Communication (Classroom or Online)
- Operations Management
- Engineering Decision Support Systems
- Business Information Systems Management
- Marketing Management
- Management & Org Behav (ME)
- Supply Chain Design & Analysis
- Engineering Project Management - Tools & Techniques
- Introduction to Manufacturing Simulation & Robotics
- Quantitative Methods for Engineers

Please see online for a full list of modules.

Applied research project:

This programme offers a unique opportunity to the students to apply their acquired knowledge during the first two trimesters to a practical company-based problem during the summer trimester. The project topic may be of direct relevance to a company sponsor who will outline their project requirements in consultation with the student team and the academic supervisor. To prepare for their project, each student will participate in a series of workshops designed to develop consultancy and research skills. 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.





CAREER OPPORTUNITIES

Career opportunities are very broad as the MEngSc Engineering Management students are not narrow technical specialists but "T-shaped" individuals combining specialist skills with a broad understanding of the business environment. Apart from the usual engineering discipline-specific job opportunities based on their bachelor's degree, the students accomplishing this one-year master's degree 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

Tarek Naffah

I'm from Lebanon and the reason why I chose Ireland and specifically Dublin is because it is such a vibrant place. I then chose UCD because of its reputation and its wide range of programme choices. UCD focuses on its students and provides a wide range of extracurricular activities as part of the student life. I am learning a lot from this programme. There are modules such as supply chain management, marketing management and project management, etc. I am able to learn not just theoretically, but also have hands-on experiences through simulations and projects that the programme provides us during the year. In terms of career prospects, if you join the programme you will have the chance to go into different fields within the business area such as management and supply chain. UCD also organises many career fairs where you get to meet the companies you want to work with in Dublin or in Ireland and even companies around the world.

APPLY NOW

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

ENTRY REQUIREMENTS

- A 4-year 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.
- A detailed explanation of your interest in the programme must be provided.
- 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 STUDENTS

- Option to stay in Ireland to seek employment and/or work for 2 years after graduating
- Approved by US Dept of Education for federally supported loans
- Apply for University non-EU Scholarships: www.ucd.ie/global/study-at-ucd/scholarshipsfinances/scholarships/
- Apply for College of Engineering & Architecture scholarships: www.ucd.ie/eacollege/study/noneus/scholarships

RELATED MASTER'S PROGRAMMES OF INTEREST

- ME Engineering with Business
- MSc Management

FEES

Fee information is available at www.ucd.ie/fees

CONTACT US

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