



University College Dublin  
Ireland's Global University



## MEM MASTER OF ENGINEERING MANAGEMENT (TWO YEARS PART TIME)

The MEM, established in 1967, is one of Ireland's most successful and highly sought after taught post graduate programmes in engineering management. This Masters is responsible for fast tracking participant's careers, drawing on resources from engineering, business and behavioural sciences in a programme which bridges the divide between engineering and management. This programme equips graduates with the tools and techniques to deal professionally with the areas of innovation and technological development. Participants will gain a deep understanding of the world of engineering management by covering a wide range of business topics, from cost analysis to finance

and corporate strategy. Participants will also learn best practices in human and organisational behaviour which are key to improving organisational effectiveness and enhance their analytical skills with a view to improved decision making.

Designed for professionals with at least five years of industry experience and a background in engineering, technology, science or mathematics, this two year part-time programme is for individuals with the ambition to progress to senior management and leadership roles in global engineering and technology enterprises.

### NATURE OF THE LEARNING ENVIRONMENT

The learning environment is highly collaborative and experiential. The part-time nature of the programme allows participants to continue in employment and to quickly apply their newly acquired skills in an experiential manner. Through the discussion based classroom environment, there is a high degree of learning from peers across different industry sectors and organisation types.

### 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 8,400 international students from over 140 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 modules

90 credits  
taught modules

or

70 credits  
taught modules

+

20 credits  
Applied Research Project

The Master of Engineering Management programme is delivered over four academic semesters (two academic years). The theme running through the first two semesters involves analysing the operations of the firm, while the second year of the programme builds on this foundation in order to develop the future direction of the firm.

#### Topics include:

- Engineering Cost Analysis
- Operations Management
- Human Resource Management
- Quantitative Methods
- Technical Communications
- Project Management
- Quality Management (Lean & Six Sigma)
- Behaviour Leadership & Change
- Economics
- Information Systems
- Marketing
- International Strategic Management
- Decision Analysis
- Design & Innovation
- Business System Design
- Decision Analysis
- Finance
- Operations Strategy

#### Applied Research Project:

Students have the option of undertaking an applied, work related, research project in the second year, instead of any four of that years modules.





## CAREER OPPORTUNITIES

Over the years, students from a variety of professional backgrounds have participated in the programme. Engineers of all disciplines, science and information technology graduates from across the third level institutions in Ireland and abroad have taken part. The company and industry sector backgrounds of those participating illustrates the diverse professional backgrounds of participants. These industry sectors include Pharmaceutical, Medical Technology, ICT, Manufacturing, Food, Engineering Consulting and Services, Transportation, Public Services.



## CLASS TIMES

Classes take place every Friday afternoon and Saturday morning (during UCD term time) on the UCD Belfield Campus.

## APPLY NOW

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

## ENTRY REQUIREMENTS

- An honours undergraduate degree (NFQ level 8) with a minimum upper second class honours or international equivalence in a relevant Engineering, Science or cognitive technology degree programme.
- Participants should have a minimum of five years relevant professional experience. However, all applicants will be assessed on a case-by-case basis so that in certain exceptional cases applicants who do not have the relevant qualification may be considered.
- 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.

## RELATED MASTERS PROGRAMMES OF INTEREST

- ME Engineering with Business, full-time
- MEngSc Engineering Management, full-time
- Masters of Engineering Management (Food Engineering), part-time.

## FEES

Fee information is available at [www.ucd.ie/fees](http://www.ucd.ie/fees)

## CONTACT US

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## GRADUATE PROFILE

**Cathal Cavanagh**  
General Manager, Blackrock Clinic

I was looking to progress my career, and for a course that would enable me to bridge the gap between engineering and senior management. An engineer's approach to problem solving is very well regarded in the business world, and this course builds on those strengths while developing the other business skills required. Just as important, the lecturers on the course come from industry, therefore providing real world application of the financial and professional theory covered. This course without doubt played a direct role in my career development. Since completing this course, I would refer back to my notes and the course content as part of my daily role with Blackrock Clinic.