

MEM Master of Engineering Management

Two Years Part Time



Introduction

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.

Course Highlight

The learning environment is highly collaborative and experiential. The part-time nature of the programme, in conjunction with the blended delivery format, 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.

Course Content and Structure

- 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.

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.

Topics include:

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

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



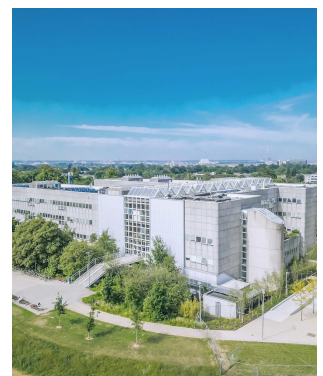
Graduate Employability

Ranked no.1 in Ireland in QS Graduate Employability ranking



Global careers

Dedicated careers support; 2-year stayback visa to work in Ireland





Career Opportunities

Participants on the programme represent the full spectrum of STEM qualifications from Ireland and abroad, including all engineering disciplines, science, maths and information technology graduates. These participants are based in a wide range of industries from across private, public and semi-state sectors. Examples include Pharmaceutical (e.g. Amgen, Takeda, Pfizer, Leo), Med. Tech. (e.g. Nypro Healthcare, Mylan, Stryker, Boston Scientific), Semiconductor (e.g. Intel, ASML), Manufacturing (e.g. Sulzer, Kingspan, Pernod Ricard), Engineering Consulting & Services (e.g. Mercury, RPS, Atkins, Arup), Utilities (e.g. Irish Water, ESB, Ervia), Semi-state and public sector (e.g. Office of Public Works, ComReg, Dublin Bus, Irish Rail, Naval Service, Defence Forces, Local Authorities).

Graduate Profile

Cathal Cavanagh
General Manager, Blackrock Clinic



Applicant Profile

- Applicants must hold an honours undergraduate degree (NFQ level 8) with a minimum upper second class honours or international equivalence in a relevant Engineering, Science or cognate technology degree. Applicants who do not meet this academic requirement will be assessed on a case-by-case basis.
- 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.
- Applicants 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.

Tuition Fees

Tuition fee information is available on www.ucd.ie/fees.

Class Times

This programme is delivered in a blended format. Face to face classes take place on the UCD Belfield Campus on Friday (all day) in weeks 1, 4, 8, 12 of both Autumn and Spring Trimesters. Online classes take place on Friday afternoons and Saturday mornings in weeks 2, 3, 5, 6, 7, 9, 10, 11 of both trimesters.

Related Masters Programmes of Interest

- ME Engineering with Business, full-time
- MEngSc Engineering Management, full-time
- Masters of Engineering Management (Food Engineering), part-time
- Professional Diploma in Operations Excellence, part-time

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.

CONTACT US

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APPLY NOW

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