



University College Dublin
Ireland's Global University

PROFESSIONAL DIPLOMA IN OPERATIONS EXCELLENCE (ONE YEAR PART TIME)

Operations Excellence (OpEx) is the application of continuous improvement principles and tools that lead to long-term sustainable growth and create a culture of excellence in organisations. This programme is designed for professional learners who are based in industry and have at least three years of industry experience and a

background in engineering, technology, science or mathematics. The outcomes of this Professional Diploma will enable graduates to implement and lead improvement in their manufacturing organisations using principles of Lean, Six Sigma, Data Driven Decision Making and Business Process Re-engineering.

BLENDED LEARNING ENVIRONMENT

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 learning 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 8,500 international students from over 130 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

20 credits
taught modules

10 credits (2 modules)
Autumn Trimester

10 credits (2 modules)
Spring Trimester

The Professional Diploma in Operations Excellence comprises 20 credits (four modules). These modules are offered across the Autumn and Spring Trimesters.

Modules Offered:

- Operations Management
- Decision Analysis
- Quality Management
- Business System Design

The four modules in this Professional Diploma will be delivered in a blended format. This comprises of on-campus classroom based seminars and workshops, in addition to online classes.

Students can opt for either a September or January start.

For those who wish to take individual modules, but not the diploma, please contact the ADVANCE Centre - info@advancecentre.ie





CAREER OPPORTUNITIES

Operations Excellence (OE) provides individuals with the skills and competencies to undertake a broad range of improvement initiatives in their organisations, which creates competitive advantage by focusing on the operational activities where it can outperform its competitors. Students will develop their knowledge and skills in the area of operations excellence with application in engineering and technology firms, from small medium enterprises to global multinational organisations.



LEARNING OUTCOMES

The learning outcomes are as follows: (1) familiarity with and knowledge of operations excellence, encompassing decision analysis, quality management (lean and six sigma), engineering operations management and process design, across a wide range of industrial sectors; (2) ability to synthesise technical and management knowledge in the design, implementation and improvement of complex engineering systems; (3) ability to apply decision analysis, scientific problem solving, inductive and deductive reasoning skills in both quantitative and qualitative contexts; (4) ability to communicate effectively to enable effective decision making in engineering operations and (5) ability to learn independently by assessing academic and practitioner research related to operations excellence.

APPLY NOW

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

ENTRY REQUIREMENTS

- Applicants should hold a NFQ Level 8 (or international equivalent) BE Bachelor of Engineering degree or equivalent.
- Applicants should have a minimum 3 years industry experience in an engineering role or equivalent.
- 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

- Masters of Engineering Management (MEM) part-time
- Professional Diploma in Power System Analysis
- Professional Diploma in Electronic Design

FEES

Fee information is available www.ucd.ie/fees

Programme offered as part of the
THE ADVANCE CENTRE
 for Graduate Professional Education
www.advancecentre.ie



PROGRAMME DIRECTOR

Associate Prof.
Vincent Hargaden

This programme will equip you with the ability to understand, evaluate and apply the essential tools of lean, six-sigma, process design and decision analysis. You will be able to troubleshoot process inefficiencies, analyse what to change and validate improvements. You will be able to add value for your customers and help your organisation, whether an SME or a multinational, manufacturing or service, to stay ahead of the competition. You will learn from subject matter experts, both academic faculty and senior industry practitioners, as well as your fellow participants who come from a wide range of industry sectors. Finally, the part-time nature of the programme provides you with the flexibility to work and study, as well as being able to quickly apply your newly acquired knowledge

CONTACT US

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