



MSc in Strategic Quality Management, Lean Sigma Systems

Science & Engineering

COURSE PROFILE

Award	Master of Science
Qualification	NFQ Level 9, Major award, 90 Credits
Delivery	Part-Time, Online, Distance Learning, On-Campus Tutorials
Duration	2 years
Start Dates	September
Faculty	Science & Engineering

OVERVIEW

This **Masters Black Belt** programme was designed in collaboration with leading Irish companies to create graduates with the understanding of and capability for both the theory and practical application of quality management tools and techniques, particularly in the areas of Lean and Six Sigma. Graduates of this course will be considered Master Black Belts in Lean and Six Sigma.

FOR PROFESSIONALS WHO:

- Are responsible for or actively engaged in organisational improvement and development through the use of quality management.
- Wish to develop a comprehensive understanding of the theory and practical application of quality management tools and techniques.
- Seek recognition as a Master Black Belt in Lean and Six Sigma.

HOW IT WORKS:

- This flexible programme lets students take 2 taught modules per semester, in combination with project work, until the programme is completed.
- Course delivery combines traditional distance education with online learning and approximately three on-campus days per semester.
- Talks by industry/professional experts who will deliver seminars linking theory to practice.
- Completion of a Lean Project and a Six Sigma Project with an enterprise assessment and implementation plan to develop students' skills in the field of lean sigma

PARTICIPANTS LEARN TO:

- Evaluate both theory and practical application of quality management tools and techniques to improve operational outcomes and efficiency.
- Identify, and develop the skills necessary to plan, implement, monitor and control Lean Sigma activities at both operational and strategic levels in an organisational setting.
- Support performance and production goals across a variety of industry sectors in both manufacturing and services.

ENTERPRISE IMPROVEMENT PROJECT

Completion of this programme requires a substantial industry-based project, to be reported in the form of an enterprise assessment and Lean Sigma implementation road map. Projects require the application of the concepts covered throughout the programme and carry an expectation of helping participant organisations realise a verified benefit of approximately €150,000.



COURSE CONTENT

MASTERS IN STRATEGIC QUALITY MANAGEMENT - LEAN SIGMA SYSTEMS

YEAR 1 - LEAN SYSTEMS

Autumn

1. Lean Thinking/Lean Tools 1
2. Leadership & Change Management

Spring

3. Lean Thinking/Lean Tools 2
4. Lean Project/ Lean Healthcare Project

YEAR 2 - SIX SIGMA

Autumn

5. Quality Science Statistics
6. Advanced Quality Science Statistics

Spring

7. Problem Solving Tools & Techniques
8. Six Sigma Project

9. ENTERPRISE IMPROVEMENT PROJECT

Holders of a Specialist Diploma can enter the Masters with exemptions.

PROGRAMME FEES

The current fees for this programme are €14,000 and can be paid in instalments. For information about payment options and how to pay online, contact the Fees Office at UL on +353 61 213 007 or email: student.fees.office@ul.ie.

HOW TO APPLY

Applicants are encouraged to apply online for this programme. Visit www.ul.ie/ulearning and click on the online applications page. This page also contains full details on the documents you need to gather before you begin your application. There is a €25 application fee.

ENTRY REQUIREMENTS



Programme participants should hold a NFQ level-8, 2.1 degree in any discipline or an equivalent qualification and have at least three years of relevant work experience.

Where an applicant does not meet the entry requirements above, an offer of a place on the programme may be made in exceptional circumstances, where the candidate provides a portfolio of evidence to support prior learning, and the application of learning or competence in the area.

VIEW THE FAQs

Prospective students are encouraged to read our FAQs at www.ul.ie/ulearning/faq.html.

FOR ADDITIONAL QUERIES

Email ulearning@ul.ie or call +353 61 213 360