



# MSc in Strategic Quality Management – Lean Sigma Systems

## Programme 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.

## Participants will 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.

2 years part-time  
(Online/Blended)



## Programme Content

### Year 1 - Lean Systems

### Year 2 - Six Sigma

Semester 1	Semester 2
Lean Thinking/Lean Tools 1	Quality Science Introduction
Leadership and Change Management	Problem Solving Tools and Techniques
Semester 2	Semester 2
Lean Thinking/Lean Tools 2	Quality Science Advanced
Lean Project/Lean Healthcare Project	Six Sigma Project
Enterprise Improvement Project	

Course delivery combines traditional distance education with online learning. Talks by industry/professional experts will deliver seminars linking theory to practice.

Students will complete a combination of taught modules, lean and six sigma projects and a 30 ECTS Thesis/Enterprise Improvement Project (EIP). The EIP will require the application of the concepts, tools and techniques of both lean and six sigma covered throughout the programme and carry an expectation of helping participant organisations realise a significant benefit.

## 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.

Holders of either the Specialist/Professional Diplomas in Lean or Six Sigma can be enrolled on the Masters programme with exemptions.

## How to Apply

Applicants are encouraged to apply online for this programme.

Visit : [www.ul.ie/gps/strategic-quality-management-lean-sigma-systems-msc](http://www.ul.ie/gps/strategic-quality-management-lean-sigma-systems-msc)

**Programme Contact**  
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### 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.

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