



Master of Science (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 the MSc in Strategic Quality Management - Lean Sigma Systems will be considered Master Black Belts in Lean and Six Sigma.

2 years part-time
(Online/Blended)

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.

Programme Content

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.

Year 1 - Lean Systems

Semester 1

- Lean Thinking/Lean Tools 1
- Leadership and Change Management

Semester 2

- Lean Thinking/Lean Tools 2
- Lean Project/Lean Healthcare Project

Year 2 - Six Sigma

Semester 1

- Quality Science Introduction
- Problem Solving Tools and Techniques

Semester 2

- Quality Science Advanced
- Six Sigma Project

Semester 3

- Enterprise Improvement Project

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.

Further Information

To learn more about the MSc in Strategic Quality Management - Lean Sigma Systems and how to apply: scan the QR code.

Contact Us

Email: seflc@ul.ie

Telephone: +353 61 213 360

#PostGradAtUL

