



# Professional Diploma in Quality Management, Six Sigma

## Programme Overview

This Six Sigma Black Belt course, aims to develop participants' process improvement skills, and will provide education and practical application to a Black Belt level in Six Sigma. The course will enable participating companies gain competitive advantage through the application of Six Sigma principles to drive improvement with measurable results.

## Participants learn to:

- Understand both theory and practical application of quality management tools and techniques to improve operational outcomes and efficiency.
- Apply Six Sigma methodology to help organisations improve performance by systematically using data to control variation.
- Support performance and production goals across a variety of industry sectors in both manufacturing and services, including the public sector.

1 year part-time  
(Online/Blended)



## Programme Content

Semester 1	Semester 2
Quality Science Introduction	Quality Science Advanced
Problem Solving Tools & Techniques	Six Sigma Project

Course delivery combines traditional distance education with online learning. Students are required to take three taught modules over two semesters. In addition to the taught modules, an in-company project will ensure a strong focus on the integration of the concepts tools and techniques in the participant's organisation during the course of the programme.

The industry-based project, to be reported in the form of a management report, will require the application of the concepts covered throughout the programme and carry an expectation of helping participant organisations realise a major benefit. The benefit included in project scope and with a specific target that aims to identify and/or remove the causes of defects and reducing the variability in a manufacturing, service, or business process).

## Further Qualifications

This level 9 Professional Diploma counts as 30 credits toward a [Masters in Engineering Practice](#) OR [Masters in Strategic Quality Management, Lean Sigma Systems](#)

## Entry Requirements

Programme participants should hold a NFQ level-8, primary 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.

## How to Apply

Applicants are encouraged to apply online for this programme.

Visit: [www.ul.ie/gps/quality-management-six-sigma-professional-diploma](http://www.ul.ie/gps/quality-management-six-sigma-professional-diploma)

**Programme Contact**  
**Email:** [seflc@ul.ie](mailto:seflc@ul.ie)  
**Tel:** +353 61 213 360

**#PostGradAtUL**

## Careers

The Diploma is aimed at managers, engineers, supervisors and technicians who have responsibility for quality or continuous improvement within their organisations and also those who wish to develop knowledge and skills in the area of Six Sigma. And for those who seek recognition as a Black Belt in Six Sigma

