



# 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.

1 year part-time  
(Online)

## 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.

## Programme Content

This course is delivered fully online. Students are required to take three taught modules and complete an in-company project over two semesters, ensuring a strong focus on the integration of the concepts, tools and techniques in the participant's organisation during the course of the programme.

Semester 1	Semester 2
<ul style="list-style-type: none"><li>Quality Science Introduction</li><li>Problem Solving Tools &amp; Techniques</li></ul>	<ul style="list-style-type: none"><li>Quality Science Advanced</li><li>Six Sigma Project</li></ul>

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. It will also 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 a Masters in Strategic Management, Lean Sigma Systems. For more details visit the [Masters in Engineering Practice webpage](#) and the [MSc in Strategic Quality Management, Lean Sigma Systems webpage](#).

## 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.

## Further Information

To learn more about the Professional Diploma in Quality Management, Six Sigma and how to apply: Scan the QR code.

## Contact Us

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