



professional
development

Certified Lean Six Sigma Green Belt For Business

Practical Workshop

Green Belt Certification

5 Days

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About This Course

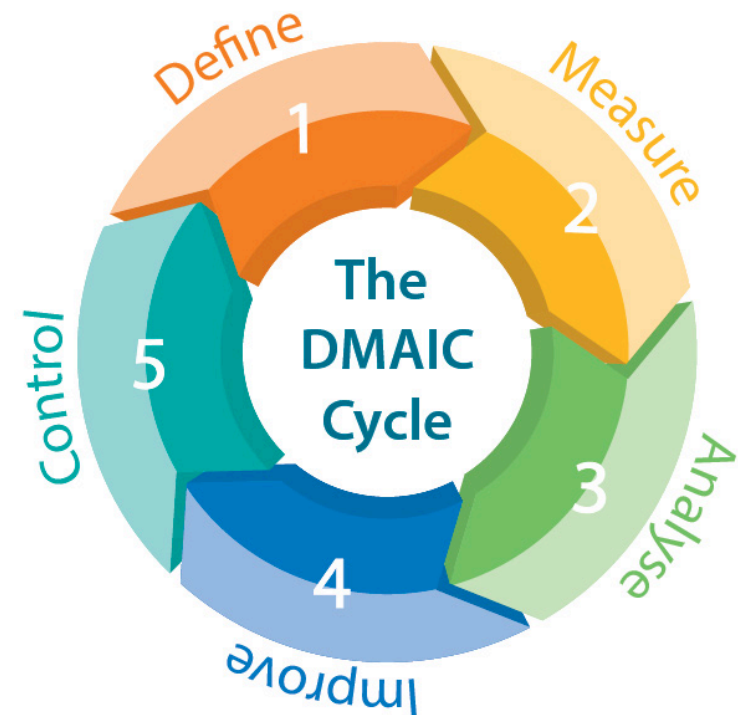
Certified Lean Six Sigma Green Belt for Business

This course combines the two proven methodologies of Lean and Six Sigma to improve processes, deliver savings and drive continuous improvement in any business using the DMAIC cycle.

Lean provides a framework to improve business metrics by reducing or eliminating waste. Six Sigma provides a data driven structure to reduce process variation.

The course content is over 80% Lean, while Six Sigma is used at an introductory level.

Lean tools enable organisations to lay solid foundations to gain real process improvements. Advanced Six Sigma tools become more useful once first wave improvements are delivered.



Course Objectives

The objectives of this course are to equip participants with:

- Process Improvement Capability**
A range of tools and skills to be able to improve business processes in any business environment.
- Problem Solving Skills**
Confidence to solve process problems using Lean Six Sigma tools and the DMAIC framework.
- Practical Know-How**
Practical know-how to complete a Lean Six Sigma Green Belt Project to return improvements and savings.
- Knowledge, Skills and Competencies**
Knowledge, skills and competencies to complete assessment work for certification.
- Versatile, Marketable Skills**
Our courses give you relevant, marketable lean six sigma skills that you can transfer to any role.

Course Benefits



Understand Lean Six Sigma

If you're new to Lean Six Sigma or have limited experience with it, the jargon and implementation can seem daunting at first. This course gives you solid foundation knowledge in Lean Six Sigma, breaking it into practical, digestible chunks.



Confidence to Implement

It's one thing to attend a course and come away with a theoretical knowledge of a subject, and its another to feel ready to put your new skills into practice. Our goal is to blend theoretical and practical learning, so that once the course is finished, you'll feel ready to get started using Lean Six Sigma in your working environment.



Achieve a Respected Certification

There's no denying that certification is important. New and potential employers need proof that you can do what you say you can. Existing employers want assurance that your training has met certain criteria.

This course works towards a QQI (formerly FETAC) Level 5 certificate in 'lean manufacturing tools' (although the course content is ideal for those in every industry), and a Professional Development Green Belt.



Knowledge, Skills and Competencies

Knowledge, skills and competencies to complete assessment work for certification.



Versatile, Marketable Skills

Our courses give you relevant, marketable lean six sigma skills that you can transfer to any role.

About This Certification

“What Certification Will I Gain?”

Upon successfully completing this course and its accompanying assessments, you will achieve 2 certifications:

- 1 Professional Development Lean Six Sigma Green Belt
- 2 QCI Level 5 Certificate in Lean



QCI course code: 5N5407

This QCI certification is worth 15 credits towards a major award under the QCI Common Awards System (CAS).

Although the official QCI title of this certification is “Lean Manufacturing Tools”, this course is equally suited to participants from a service (transactional) or manufacturing (transformational) background.



QCI AWARD

Course Content

1 Introduction

- Programme Introduction
- The certification process
- Introduction to Lean and Six Sigma concepts
- Key requirements to successfully launch a Lean Six Sigma Green Belt project

2 Define

Set up framework to identify process problems

- The Project Charter
- Stakeholder Management
- The voice of the customer
- Team dynamics and managing change
- SIPOC Maps

3 Measure

Develop a factual picture of the current state and identify weakness

- Develop Current State Value Stream Map
- Identify current time and quality metrics
- Identify waste (8 Lean Waste Streams)
- Identify obstacles to flow
- Develop a data collection plan
- Overall Equipment Effectiveness (OEE)

4 Analyse

Understand the drivers of poor process performance and select focus areas for improvement

- Graphical analysis of data to illustrate current state: Control Charts, Pareto Analysis
- Team creativity techniques to generate causes
- Root Cause Analysis: 5 Whys
- FMEA
- Decision Making: Prioritise possible sources and solutions, Pick Charts

Continued on next page...

Course Content

5 Improve

Develop and implement optimum sustainable solutions

- Kaisen Events
- 5S
- KanBans
- Error Proofing
- Total Preventative Maintenance (TPM)
- Action Planning
- Single Minute Exchange of Die (SMED)
- Construct Future State Value Stream Process Map

6 Control

Verify effective implementation of solutions and ongoing controls are established

- Visual management
- Standardised work
- Control techniques for ongoing process control
- Documenting Process Improvement Metrics - Time, Quality, Financial
- Identify and communicate future opportunities for improvement
- PDCA Cycle - review and action on a continuous basis



Practical Application

Throughout the programme, you will learn how to apply these tools to your own process improvement.

How Do I Get Certified?

Attend Professional Development's Lean Six Sigma Green Belt Course

During the training, you will work on your process improvement project. You can learn more about the process improvement project on page 11.

Complete Self-Directed Learning & Accompanying Assessment Work

Process Improvement Project - (60%)

+

Assignment - (40%)

Self Directed Learning includes practice, preparation of assessment work and some further reading. You will have 8 weeks to complete your assessment work.

Course Work is Assessed & Validated

Certification Awarded

You will receive your QQI certificate and Professional Development Lean Six Sigma Green Belt Certificate approximately 5 - 6 months after you have submitted your assessment work.

Useful Facts about this Course

*Dr. Paula Higgins
Director of Training,
Professional Development*



- This course is delivered over 5 days by a certified Lean Six Sigma professional. Our trainers are experienced Lean Six Sigma Black Belts, with extensive experience in both private and executive training.
- Delivery style includes active learning, practical individual and group exercises and application of learning to your own projects.
- Participants will learn how to lead continuous improvement Green Belt initiatives and to contribute in a value-added way to Black Belt Project Teams to gain breakthrough performance in key business areas.
- Most delegates prefer to complete course exercises using the paper-based templates we provide. Some opt to do this using their laptop. You will not require Lean Six Sigma software for this course, so bringing a laptop is optional.

Your Process Improvement Project



Your Process Improvement Project

As part of your QCI assessment, you are required to complete a process improvement project and a written assignment. You will have 8 weeks from the last day of training to complete your assessment work. You will also work on your process improvement project during training.

Selecting a Project

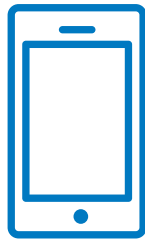
It is important that you choose a process improvement within your area of authority and influence. Your trainer will assist you with this, but it is a good idea to think about it in advance of beginning the course.

Project Examples:

- Reduction of lead time in a business process
- Improving the quality of a product or service
- Reducing customer complaints
- Removing waste from a business process
- Reducing the number of steps in a process

While it is preferable to use a real, active process for improvement, not all delegates may be currently working in a suitable environment. In such cases, you may use a process which you are very familiar with, and simulate a case study on this (please note that we do not provide you with a case study).

Get Started



Call Us

You can reach us by phone on Freephone 1800 910 810, or 01 861 0700 (mon - fri, 9.00 - 5.30).

We will always be happy to answer any questions you have, advise on the best option for your lean six sigma training, or book a place for you on an upcoming course date.

Freephone 1800 910 810



Ask Us A Question Online

If you'd prefer to contact us online, request a phonecall, or to get in touch outside of office hours, using the "Ask A Quick Question" button below is the best option.

We'll respond with the information you need.

Ask A Quick Question



Reserve A Place

To Reserve a Place, click the green button below.

You can view and select upcoming dates to provisionally reserve a place on an upcoming Lean Six Sigma Green Belt Course.

Reserve A Place

About Us

Professional Development

For 26 years, Professional Development has led the way for innovative, certified training in project management and strategic business skillsets.

Our courses are specifically designed to help you expand your skill set and capitalise on your experience to deliver meaningful and sustained improvements in your organisation.

Professional Development is registered to offer programmes leading to QQI awards under the National Framework of Qualifications (NFQ).

We are also an Accredited Training Organisation (ATO) with the International Association of Six Sigma Certification (IASSC). We are also a Registered Education Provider (R.E.P.)® with the Project Management Institute, Inc. (PMI)®.

In-Company Training Options

In-Company training is ideal for delivering a focused, customised programme to a group of participants.

We run our Lean Six Sigma Green Belt as an in-company programme, and we can **tailor the course** duration to include a focus on application of the processes to your environment.

Contact our head office in Dublin on **Freephone 1800 910 810** to get the best advice for your in-company training requirements.



Our Trainers

Our trainers are experienced training and consulting professionals.

They also bring a wealth of experience to their training, enabling them to share tried-and-tested techniques and advice based on real-life situations.

PMI®, PMP®, CAPM® and (PMBOK)® Guide, are registered marks of the Project Management Institute, Inc.

Call us to enquire about
course availability on
Freephone **1800 910 810**



Enhancing
Your
Potential

Call and speak with a
training consultant from
any of our training centres:

Dublin: 01 8610 700
Cork: 021 2355 555
Limerick: 061 574 849
Galway: 091 399 966

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professional development *Celebrating 26 years delivering training to Ireland's top brands*