



## Lean Six Sigma Green Belt

Duration: 4 days



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### Overview

Lean Six Sigma is a management approach to business performance improvement that has blended the two individual specialisms of Lean and Six Sigma.

The focus of Lean is about speed, efficiency and taking waste out of a process. Six Sigma focuses on effectiveness and removal of errors. When combined and implemented properly it can be a powerful management tool that can greatly improve an organisation's performance, by providing a structured approach to resolving problems. Lean Six Sigma can help you to bring about rapid improvements, whether in a manufacturing or service-based context.

A Lean Six Sigma Green Belt can eliminate waste and improve the performance of any business process. This course has been designed to provide participants with a thorough knowledge of the Lean and Six Sigma (LSS) methodologies, tools and principles.

### Course Objective

The purpose of the Green Belt qualification is to confirm that a participant has sufficient knowledge and understanding of the Lean Six Sigma process improvement methodology and practice to be able to achieve significant improvements in performance and quality, either working as a team member in a large project or working alone as a junior project manager.

### Course Summary

- World Class Performance
- Process Improvement Deployment
- Project Management
- Creating a Solid Foundation
- Creating a Continuous Improvement Culture
- Creating Stable and Efficient Processes
- Creating Capable Processes
- Creating World Class Products and Services

The content covered in this course is similar to the content covered in the Yellow Belt course. However, whereas the Yellow Belt covers the basics and provides an overall view of LSS, the Green Belt delves further into the theory and calculations involved, whilst also exploring how to develop reliable, innovative products that meet customer expectations

Green Belt courses are facilitated in partnership with OE Partners.

# Lean Six Sigma Green Belt

## Who is this course for?

Mid to senior level professionals who are working in a role that involves the review and improvement of a process and its performance.

Those looking to lead business improvement projects, drive productivity initiatives or other measurable business outcomes.

## Prerequisites

The following is required:

1. Lean Six Sigma Yellow Belt Accreditation  
OR
2. Comprehensive pre-course work including 20 question quiz. Pre-course work will be sent out 2 weeks in advance of the course (or at time of booking if booking is less than 2 weeks prior to course commencement).

Pre-course preparation timeframe: minimum 4 hours (depending on prior experience).

**All participants are required to complete the Goals and Objectives Survey and have a pre-course 15 minute telephone interview with the trainer.**

It is also recommended that participants have a **minimum of 3 years** working experience in a professional role and a firm grasp of **applied mathematics** and **basic statistics**.

## Materials

Participants will receive the textbook *Climbing the Mountain Mindset, Skill Set and Toolset for Lean Six Sigma Green Belts* textbook (published by LSSA).

## Learning Outcomes

Participants will gain the skills to:

- Analyse their organisation's processes to identify the priority issues leading to waste and inefficiency
- Deeply investigate and understand the systemic root causes for these issues
- Understand what process improvement tools are available and how to best apply them to eliminate the source of the problem and drive customer value.

Effective Green Belts are capable of implementing significant change within their organisation. Participants will also learn how to manage people through change, how to lead an improvement project team, and how to engage with enterprise leadership.

The Continuous Improvement Maturity Model will be introduced which charts the necessary changes organisations need to make, to move towards World Class Operational performance (Structured > Managed > Predictable > Capable > World Class).

## Course Delivery

Trainers of this course will use a practical delivery approach to provide participants with a 'hands-on', multi-faceted and challenging learning experience.

This includes a combination of pre-reading, classroom training, practical exercises and hands on application of the LSS toolkit on a mock operational process.

Courses are facilitated in partnership with OE Partners and can also be held at your premises. OE Partners are an accredited training organisation with APMG International for Lean Six Sigma Green Belt.

## Certification

Lean Six Sigma - Green Belt



Participants will undertake the Green belt exam which is on-line | multiple choice format | 60 questions per paper | 180 minutes duration | Open-book | Calculators permitted. The exam is taken after the course as an on-line proctored session. Participants will need to take the on-line exam within a month of completing the course.

To be awarded the Green Belt certification, participants must achieve a result of 63.3% (38 out of 60). APMG International administers the Lean Six Sigma Green Belt certification scheme.

## Professional Development Units

Participants who have been awarded the Project Management Professional (PMP)<sup>®</sup> credential by the Project Management Institute (PMI)<sup>®</sup> are eligible to earn **28 PDUs** for their participation in this course (17 Technical, 7 Strategic and Business Management and 4 Leadership).

Participants holding any of the Project Management accreditations (CPPP/CPPM/CPPD) are eligible to earn **20 CPDs** for this short course.