

# Lean Six Sigma Practitioners Black Belt - week 2

Learn via: **Classroom**

Duration: **5 Day**

<https://bilginc.com/en/training/lean-six-sigma-practitioners-black-belt-week-2-709-training/>

## Overview

**This ten day course (delivered over two weeks - LSSBBWK1 & LSSBBWK2) provides the experienced Green Belt with the necessary tools and techniques to manage improvement resources to deliver major projects.**

This hand-on learning experience develops both the delegate's technical knowledge and personal skills. The course uses a blend of theory and practical exercises to ensure that delegates have the confidence and capability to deliver more complex business improvement projects and transformations. Lean and Six Sigma, both proven business improvement approaches, provide businesses with the ability to maximise customer, employee and shareholder value by minimising process variation and waste.

### **Examination**

A lean Six Sigma Black Belt examination will be taken on the last day of week two - LSSBBWK2. It is open book.

If a delegate fails the exam (70% pass mark) they will be able to re-sit the examination.

Data analysis questions will be used during both weeks to assess competency in statistical analysis using Minitab.

### **Accreditation**

Once a delegate has completed the course and passed the examination they will be required to demonstrate the application of their learning in an appropriate improvement project.

If you have any queries about your projects following the course or wish to submit your project for accreditation then please contact the Lean Six Sigma group via the email [Leanaccreditation@qa.com](mailto:Leanaccreditation@qa.com).

### **Target Audience**

Experienced Green Belts who want to enhance and apply their skills to larger more complex projects and be recognised as a Lean Six Sigma Black Belt.

## Prerequisites

- Delegates must have completed a Lean Six Sigma Green Belt course with either QA (LSSGBP) or other organisation.
- Delegates should ideally, have a project identified to complete post-training. This is required for accreditation.

## Suggested pre-reading

- Lean Six Sigma and Minitab by Quinten Brook
- Statistics without tears by Derek Rowntree

## What You Will Learn

This ten day course ran as two 5 day sessions, (week 1 and week 2), will enable delegates to become self-sufficient process improvement practitioners with the capability to analyse opportunities and deliver solutions.

## Outline

### **Week Two (LSSGBWK2) 5 days**

- Review of week one

### **Analyse (continued)**

- General Linear models
- Linear Regression
- Multiple Regression
- Lean Analysis
- Spaghetti Diagrams
- SMED
- TPM

### **Improve**

- Kaizen
- Standard Work
- Problem Solving
- Handling conflict
- Coaching
- Creativity
- Prioritisation methods
- Design of Experiments
- Full factorial experiments
- Fractional factorial experiments

### **Control**

- Control Charts
- Deploying Continuous Improvement

### **Examination**