



Lean Six Sigma Green Belt Boot Camp

The accelerated Lean Six Sigma Green Belt program and methodology allows students to complete certification requirements faster than traditional Six Sigma and Lean training programs.

Length Days: 4 | Length Hours: 32

Course Objectives

This three-day course, combined with a Green Belt test and demonstrable application of the tools will lead to Green Belt certification.

Course Outline

1 - Lean Six Sigma Introduction

Introduction to Lean Six Sigma

Overview Lean Six Sigma Principles & Terminology

Roles and Responsibilities in a Lean Six Sigma Organization

Value Stream Maps

5S

7 Wastes

Project Selection

2 - Define Phase

Voice of Customer

Project Charter

Process Mapping (high level and detailed mapping)

3 - Measure Phase

Selecting Measures: $Y=f(x)$

Data Collection Planning

Baseline Data Collection

Basic Statistics

4 - Analyze Phase

Process Analysis (Non-Value Add vs. Value Add)

Graphical Analysis

Determining Root Cause

5 - Improve Phase

Lean Solution Concepts: Standard Work, Batch Size Reduction, Work Cells, Kanban, Pull Systems and Kaizen Events

Brainstorming Solutions to Address Root Cause

Solution Selection, Pilot and Implementation

Improvement Data Capture

6 - Control Phase

Monitoring, Revision and Response Plans

Mistake Proofing and Visual Management

Replication

7 - Green Belt Test