

Lean Six Sigma Green Belt

Duration: 4 days

Course Overview

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. NOTE: The cost of the certification exam is included with the price of the course.

Course Objectives

This four-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