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# Lean Six Sigma Green Belt Boot Camp

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## Course Content

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

This boot camp is an accelerated Lean Six Sigma Green Belt program and methodology that allows students to complete certification faster than traditional Six Sigma and Lean training programs.

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## 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 Solutions Concepts: Standard Work, Batch Size Reduction, Work Cells, Kanban, Pull Systems and Kaizen Events
- Brainstorming Solutions to Address Root Cause
- Solution Selection, Pilot & Implementation
- Improving Data Capture

### 6. Control Phase

- Monitoring, Revision and Response Plans
- Mistake Proofing and Visual Management
- Replication

### 7. Your Green Belt Test