ETI

Lean Six Sigma Green Belt Training Course—80 hours

The Lean Six Sigma (LSS) Green Belt course serves to provide participants with the knowledge and tools to perform the role of a LSS Green Belt. The LSS Green Belt training materials are comprehensive and include the phases of the LSS body of knowledge covering the background and history of LSS as well as all phases, Define-Measure-Analyze-Improve-Control, of the DMAIC process. This course is ideal for those who wish gain a greater understanding of all phases of LSS as well as gain useful statistical and business tools associated with all phases of the DMAIC process.

Optional: LSS Green Belt Certification Examination through IASSC:
The International Association for Six Sigma Certification (IASSC) exclusively facilitates and delivers centralized universal Lean Six Sigma Certification Standards testing and organizational Accreditations (www.iassc.org). *Arrangements and costs for examination are not included in this training program and must be completed separately by participant. Green Belt Certification Exam*

LSS Green Belt Certification Exam:
- The IASSC Certified Lean Six Sigma Green Belt (ICGB) Exam is a 3 hour 100 question proctored exam. *Approximately $300 per person*

ETI Instructor Mike Letson is a certified Six Sigma Black Belt (SSBB) with a DMAIC concentration specializing in transactional analysis in organizations ranging from city governments to manufacturing. His company is accredited by the International Association for Six Sigma Certification (IASSC) as an Accredited Training Organization. He is known for his high energy and results driven instructional techniques. He brings a wide range of experience from military, corporate, and entrepreneurship, allowing him to relate topics directly to each participant. Mike continually finds new ways to keep participants engaged in learning.

Employee Training Institute College of the Canyons
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Lean Six Sigma Green Belt- Course Outline

I. **Background of Lean Six Sigma**

   a. History and Definitions

   b. Methodologies: Lean, DMAIC, and DFSS

   c. Project Selection, Roles and Responsibilities

II. **Define Phase**

   a. Problem Statement and Metrics/Objectives

   b. Alignment (VOC, Goals, Baseline Financials)

   c. Process Definition: Scoping Tools

III. **Measure Phase**

   a. Process Measurement Tools

   b. Validate Measurement System (MSA)

   c. Establish Baseline Capability

   d. Identify Sources of Variation and Waste

IV. **Analyze Phase**

   a. Basic Stats and Graphs

   b. Hypothesis Testing

   c. Process Flow Analysis Tools

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Lean Six Sigma Green Belt- Course Outline, continued

V.   Improve Phase

    a. Identify and Validate Solutions

    b. Correlation and Regression

    c. Change Management Tools

VI.   Control Phase

    a. Control Strategy and Monitoring

    b. Implement Process Controls

    c. Project Closure

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