

Training Curriculum Lean Six Sigma

Lean Six Sigma Green Belt Training Course Description

Course Objectives

The course provides training in the Lean Six Sigma business problem solving methods, process improvement project management and business process data analytics used in your continuous improvement work.

Participants will learn to:

- Articulate in layperson's terms how the DMAIC process improvement model establishes the BLUEPRINT for employing the Lean Six Sigma problem solving toolset
- Recognize the critical success factors that underpin the Lean Six Sigma program
- Characterize your organization as a collection of interconnected processes, with key process inputs and steps that determine the output performance the customer receives
- Translate process improvement- and process design- related problems in sufficient detail to form the basis of clearly defined, planned and executable improvement projects.
- Evaluate the efficiency and effectiveness of processes using appropriate and quantifiable measures derived from critical customer and business requirements.
- Select and apply a broad range of basic-to-advance Lean Six Sigma problem solving and project management methods, techniques and tools to eliminate waste and variation in technical, transactional and operational process settings
- Lead improvement projects and teams as an effective change agent (project leader and problem solver) who skillfully and reliably delivers tangible business results.



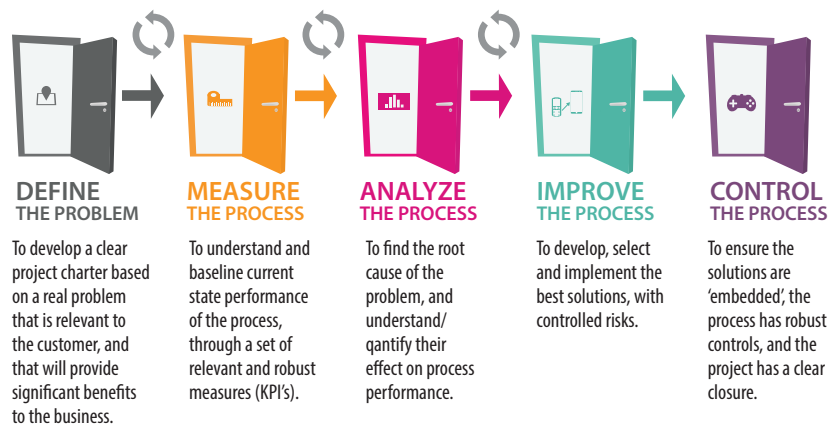
Course Number

LSS-GB

Course Overview

The course is structured around DMAIC (Define-Measure-Analyze-Improve-Control) Model involving team oriented problem-solving process that utilizes an integrated suite of Lean, Six Sigma and Project Management tools.

The DMAIC Model enables a project focus by establishing the protocols to apply the Lean Six Sigma process-related problem-solving tools within a structured project management framework to guide the effective execution of process improvement projects.



Who Should Attend

The Lean Six Sigma Green Belt Program is ideal for developing fulltime salaried employees who have a desire and need to learn the Lean and Six Sigma methodology and are required to lead improvement projects and teams to improve process performance resulting in higher quality, productivity and efficiency within their sponsoring organization.

Prerequisites

To successfully complete this course, the following prerequisites are required. The following will be sent to you before class:

- Situation Appraisal Module
 - Familiarize you with various problem solving methods available for use.
- General Problem Solving
 - Explains the importance of problem-solving to our continuous improvement strategy.
 - Provide a process that will simplify problem-solving when you are working in a team.
 - Establishes a disciplined approach to encourage reliance on data, to discourage the practice of rushing to a solution and describes tools to be applied to problem-solving.
- Process Improvement Project identified

Student Materials

To enhance and facilitate the students' learning experience, the following materials are provided as part of the course package:

- *Manuals and Guides:*
 - Green Belt Training Manual
 - Green Belt Certification Guide
 - Tollgate Review Guide
 - Lean Six Sigma Exam Guide
- *Templates, Forms, and Roadmaps:*
 - Tool Proficiency Evaluation Guideline Template
 - Project Reporting Storyboard Template
 - Project Chart Form
 - Problem Solvers Roadmap

Technology Requirements

Laptop computer with standard Microsoft Office Suite (XP or later version) of office automation applications (e.g., Word, Excel, and PowerPoint) and Adobe "PDF" reader.

Minitab Software license will be provided during the training session.

Hands-On Practice

Training is application based incorporating examples, exercises, simulations and workshops.

Minitab lessons included throughout where applicable. The uses of Minitab and computer spreadsheets are emphasized to support the Lean and Six Sigma calculations

Certification Requirements

- Complete coursework
- Pass exam
- Complete one workplace improvement project

Next Learning Level

Once you have an understanding of the topics and skills covered in this course and achieved certification per Rockwell Automation Policies and Procedures, you may want to attend specific Lean Six Sigma training such as:

- DMAIC Black Belt

Course Length

This is a **eight and 1/2 day** course. **Week 1: 4 & 1/2 days / Week 2: 4 days. There is a one month separation between Week 1 and Week 2)**

To Register

To register for this or any other Rockwell Automation training course, contact your local authorized Allen-Bradley® Distributor or your local Sales/Support office for a complete listing of courses, descriptions, prices, and schedules.

You can also access course information via the Web at <http://www.rockwellautomation.com/training>

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