



Online Lean Six Sigma Green Belt Certification Course

50 Hours / 6 Months

Course Description

This course will teach you Lean Six Sigma process improvement projects from start to finish. Green Belts can deliver measurable, sustainable improvement by finding the root causes of problems and streamlining processes. The course was developed to meet today's changing business environments and is facilitated by highly experienced and successful Lean Six Sigma Experts. It draws on what the experts practice every day in the field to provide you with the most effective way to learn and implement Lean Six Sigma.

Upon completion of this course and required project, you will be prepared for the Lean Six Sigma Green Belt Certification exam.

Prerequisites

There are no prerequisites for this course; however, it is highly recommended that you have some history of professional work experience (full-time, part-time, internship, volunteer work, etc.) to successfully complete course assignments and projects. The Lean Six Sigma Green Belt Certification requires you to complete your own real-world project and an exam to be successfully completed. It is strongly recommended that the business project be completed at your place of employment. Projects are subject to approval by Master Black Belt Coaches.

What You Will Learn

- Learn what Lean Six Sigma is, its origins, and its benefits
- Understand the Lean Six Sigma roles and 8 Wastes
- Master the Lean Six Sigma Improvement method known as DMAIC (Define, Measure, Analyze, Improve and Control)
- Learn how to collect data and track the success of projects

Hardware Requirements

- This course can be taken on either a PC or Mac.

Software Requirements

- PC: Windows 8 or newer.
- Mac: OS X Snow Leopard 10.6 or later.
- Browser: The latest version of Google Chrome or Mozilla Firefox are preferred. Microsoft Edge and Safari are also compatible.
- Adobe Acrobat Reader. [Click here](#) to download.
- Software must be installed and fully operational before the course begins.

Other

- Email capabilities and access to a personal email account.

Course Outline

MODULE	TOPICS COVERED
1: Introduction to Green Belt Training	<ul style="list-style-type: none"> • Overview of Lean Six Sigma • The 8 Wastes (DOWNTIME) • Lean Six Sigma Roles • Project Selection • DMAIC Overview
2: Define Phase – How to define the problem	<ul style="list-style-type: none"> • Create The Project Charter (Tool) • Understand The Current State • Develop Project Communication
3: Measure Phase – How to measure the current process	<ul style="list-style-type: none"> • Select Measures • Plan For Data Collection • Collect Baseline Data
4: Analyze Phase – How to identify the cause of the problem	<ul style="list-style-type: none"> • Conduct Process Analysis • Conduct Data Analysis • Brainstorm Root Causes • Develop Root Cause Hypothesis • Validate Root Cause Hypothesis
5: Improve Phase – How to implement and verify the solution	<ul style="list-style-type: none"> • Craft Solutions • Filter Solutions • Determine Solution Approach • Conduct Risk Management
6: Control Phase – How to maintain the solution	<ul style="list-style-type: none"> • Create Monitoring Plans • Develop Response Plans • Document The Project • Pursue Perfection