

Lean Six Sigma Online Certification

Online Lean Six Sigma Green Belt is a self-paced program encompassing the Lean and DMAIC (Define-Measure-Analyze-Improve-Control) methodology and associated tools needed to successfully complete a Green Belt project. Green Belt training serves two purposes. First, it trains team members to function as part of an effective Lean Six Sigma team; second, it prepares them to lead projects and gives a solid foundation of knowledge and practice for those who wish to continue on to become Black Belts.

Students will learn Lean techniques and principles, Value Stream Mapping, and the Six Sigma DMAIC methodology that, when properly applied, can dramatically improve an organization's overall efficiency and effectiveness. The certification program also provides virtual support through web conferencing with a Juran Master Black Belt.

Program Objectives

Upon completion of this program, you will be able to:

- Apply a working knowledge of the Lean DMAIC methodology
- Use appropriate problem-solving and improvement tools at the right times to solve problems and reach business goals
- Lead an improvement project
- Demonstrate accomplishment in mastering the Green Belt body of knowledge through Juran certification

Program Design and Materials

The Green Belt Online Certification program begins with your welcome packet containing a program overview and syllabus, online access information, printed workbook, a Lean Six Sigma Pocket Reference, and a disk of the templates needed when moving through your project. You will be assigned an e-Coach who will set up a kick-off web conference with you to familiarize you with the program and materials and answer any questions. Through 8-hours of guidance, the coach also will review your assignment submissions. The program consists of four parts:

1. Reading – the program is driven by the syllabus and online e-Workbook. The workbook is set up to provide training phase-by-phase, step-by-step, and indicates where in the training the online modules should be viewed. Each section of the e-Workbook ends with a checklist for completion as guidance regarding what post-tests should have been taken, what assignments should have been completed and what project work will need to be completed for the particular phase of DMAIC before moving on.

2. e-Learning modules - these are interactive online modules that supplement and reinforce the e-Workbook content, and provide a different mode of learning. Included are the following modules:

- Lean Six Sigma Fusion
- Six Sigma Introduction
- Intro to Lean Office Principles
- Understanding Data
- Eight Wastes
- Calculating Process Based Costs
- Pareto Analysis
- Introduction to Process Mapping
- Current State Value Stream Mapping
- Validating the Measurement System
- What is Statistics
- Organization of Data
- Measures of Central Tendency
- Introduction to Process Capability
- Cause and Effect Diagrams
- 5S
- Failure Mode and Effects Analysis
- Scatter Diagrams
- Maximizing ROI
- Future State Value Stream Mapping
- Kaizen Event
- Workplace Design & Layout
- Sustaining ROI
- Types of Control Charts
- Standard Work
- Error Proofing
- Extending ROI

3. Project Deliverables, including templates and worksheets – these are documented work products completed as part of a Green Belt Project. A Green Belt project is departmental in nature (i.e., is narrowly scoped), uses graphical analysis to test theories and find root cause (though hypothesis tests also may be used if required with the help of a Black Belt or Master Black Belt). The project typically has a savings of no less than \$25,000 (USD) but not more than \$100,000 (USD). Your management should agree with the chartered project and the resources it will take to complete it, e.g., amount of time, team members. The candidate will submit completed templates based on a schedule defined in the syllabus.

4. Project Certification Review with your e-Coach on your finished project and its results. A storyboard template will be provided to you to record and present your project work. This virtual review will take about an hour. Upon passing the review with all certification

requirements satisfactorily completed, you will receive your Juran Certification certificate.

Lean Six Sigma Green Belt Certification Requirements

To become a Juran Certified Belt, candidates must fulfill the following requirements:

1. Complete the online program modules, reading and assignments, plus pass each post test with a score of 75 or greater.
2. Once all modules, readings and assignments are completed, pass a two-hour online examination with a score of 75 or greater.
3. Successfully complete a Lean Six Sigma project (conducted during the course of the training, with selection approved by your management). Project success means using the Lean Six Sigma methodology correctly to achieve stated operational and financial objectives.
4. Submit a final project report in the reporting template provided to your Juran Master Black Belt coach (“Juran e-coach;” detailed requirements for the final project report are provided during the training through the portal).
5. Each candidate must present his/her project and answer questions posed by the Juran Certifier. This review takes about two hours per project. The project review takes place approximately six to eight weeks after the project is completed.

If your organization does not have a Lean Six Sigma initiative in place employing other Green Belts and Black Belts that can act as a support network, the participant may contract for more hours of Juran support by calling our Support Specialists at 800-338-7726.

Who Should Attend

This workshop is for those who can learn independently and effectively at their own pace. Candidates must be self-directed as the learning style of the program primarily is via reading and doing as opposed to listening and talking. The program is also for Champions looking to gain a Green Belt level of training. The reading, online modules and post-tests will take about 35 hours in total.

Green Belts are employees with sufficient knowledge to support Six Sigma implementation and to participate in Six Sigma projects as a team leader or a team member.

The ideal Green Belt Online Certification candidate:

- Is receptive to using quantitative methods with high-school math capability
- Is knowledgeable about a specific process or processes that are likely to be a focus of future Black Belt projects

- Has proven analytical and technical skills
- Has a task orientation; has a track record of completing assignments
- Is able to balance project work, other workload, time and stress effectively
- Is computer comfortable and adept with Microsoft® Windows®, Word, and Excel; not averse to learning new computer tools for analysis
- Has good interpersonal skills: Listening, leading meetings, handling challenges and resistance, building alliances and collaboration, managing group dynamics
- Has good communication skills: Verbal, written, presenting
- Is well regarded by peers and considered a team player

Sign Up!

If this program meets your needs, call us at 800-338-7726 to sign up and receive your Welcome Kit. The Kit includes your access to the materials and e-learning, the syllabus, and instructions for contacting your e-Coach.