



Lean Six Sigma Green Belt

Root out waste and inefficiency, and improve your processes



Course At-A-Glance

Appropriate For: Anyone in any industry who wants to develop new or refine existing problem-solving skills

Length: 10 days (two 5-day blocks over a 2-month time frame), 81 hours of instruction

Cost: \$4,500

CEUs: 8.1

Certification Support: BMGI's Certification Portal, Master Black Belt Mentor

BMGI's World-Class Training & Certification

BMGI's training offers exceptional education and experience. See why we're a favored provider to organizations and individuals worldwide.

- Hands-on, experiential training
- Peer-to-peer learning
- Minitab license included
- Best educators in the industry
- Certifications recognized globally

About Lean Six Sigma Green Belt

Lean Six Sigma Green Belt training develops people into team leaders and problem-solvers who can regularly improve processes within their local areas and functions.

Following the disciplined Six Sigma DMAIC (Define-Measure-Analyze-Improve-Control) roadmap, this course teaches you how to collect and analyze performance data, identify inefficiencies and problems, pinpoint root causes, and institute new protocols to greatly improve processes. In addition to teaching the complementary methodologies of Lean and Six Sigma, this course also provides skills in leading teams through the process of change.

Another valuable aspect of BMGI's Lean Six Sigma (LSS) Green Belt course is the inclusion of several creative-thinking modules that can be used to dislodge a team's thinking when members are mired in their own assumptions and familiarity with their own processes.

Most importantly, this course has a practical and applied focus. Taught by BMGI expert instructors with real-world experience, this course features interactive lectures,

"Our experience with BMGI's Green Belt program has been one of extremely high-quality training and trainers. Highly recommended!"

-Larry Sullivan, Network Appliance Inc.

group exercises, process and tool simulations, individual exercises and the application of learning to a real improvement project in the workplace.

Through mentoring and coaching, instructors provide direct and focused support so participants can successfully pass their final exam and complete their project to gain Green Belt certification. [BMGI's Certification Portal](#) also helps to provide structure and support in completing project work and gaining certification.

Learning Objectives

Upon completion of this course, participants will be able to:

- Define, design and execute DMAIC projects.
- Apply such Lean concepts as 5S, waste reduction, mistake proofing and value stream mapping.
- Formulate basic statistical analyses to determine the relationship between key inputs and process outputs.
- Apply DMAIC to solve business issues and transition projects from phase to phase.
- Effectively manage team dynamics and recognize how to work with leadership.
- Prepare and present project reports and presentations to instructors, peers and management.

Agenda

Week One

Lean Six Sigma Overview
Lean Six Sigma Roadmap and Tools
Identify the Right Methodology
Delivery Simulation (round 1)
Project Definition and Scope
Project Objectives
Project Charter
Defining Current State
Process Mapping
8 Types of Waste
Identification of Value
Value Stream Mapping
Minitab
Intro to Basic Statistics
Delivery Simulation (round 2)
Data Collection

Measurement System Analysis
Capability Analysis
Meeting Facilitation Skills
Project Planning

Mistake Proofing
Statistical Process Control
Transition and Project Closure
Change Leadership

Week Two

Identify X's (Fishbone and C&E Matrix)
Basic Process Analysis
Graphical Data Analysis
Statistical Data Analysis
FMEA
Generate and Evaluate Solutions
Creative Thinking Techniques
Pilot and Implement Solutions
Delivery Simulation (round 3)
Control Plans

Certification Requirements

To achieve certification, students must pass all quizzes and exams, and complete one workplace improvement project and submit for review.

To register for this course, visit www.bmgi.com/green-belt
or call +1 (303) 827-0010.