Lean Six Sigma Green Belt (LSSGB) Training

Category: Project Management & Business Skills | **Vendor:** IASSC

Rating: ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Lean Six Sigma Green Belt (LSSGB)
Related Exam:	LSSGB

Course Overview

Want to reduce waste, eliminate defects, and improve processes in your organization? Lean Six Sigma is one of the most powerful methodologies for driving operational excellence—and Green Belt professionals are in high demand across industries. This Lean Six Sigma Green Belt (LSSGB) training equips you with the tools and strategies to lead impactful process-improvement projects. You'll gain practical experience applying DMAIC methodology, using data-driven analysis, and implementing control strategies that stick. Upon successful completion, you'll earn your Lean Six Sigma Green Belt certification through Project Management Academy, accredited by the Council for Six Sigma Certification (CSSC).

About This Course

Want to reduce waste, eliminate defects, and improve processes in your organization? Lean Six Sigma is one of the most powerful methodologies for driving operational excellence—and Green Belt professionals are in high demand across industries. This Lean Six Sigma Green Belt (LSSGB) training equips you with the tools and strategies to lead impactful process-improvement projects. You'll gain practical experience applying DMAIC methodology, using data-driven analysis, and implementing control strategies that stick. Upon successful completion, you'll earn your Lean Six Sigma Green Belt certification through Project Management Academy, accredited by the Council for Six Sigma Certification (CSSC).

Who Should Attend

Those seeking to utilize Lean Six Sigma practices to implement cost-reduction solutions, increase revenues and drive quality initiatives should attend this course. There are no prerequisites to take this course.

Learning Outcomes

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

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Detailed Course Outline

Introduction

- Course Overview

Fundamentals

- Roles and Responsibilities
- Lean vs. Six Sigma
- Learning Assessment

Lean

- Lean Fundamentals
- Kaizen
- 7 Waste (Muda)
- Current State vs. Future State
- Team Selection
- Project Charter
- Responsibility Assignment Matrix (RAM)
- Process Mapping
- Process Mapping Exercise
- Affinity Diagrams
- 5S and 6M’s
- Visual Management
- Traditional and Lean Production(s)
- Takt Time
- Focused Factories and Demand Flow
- Single Minute Exchange of Die (SMED)
- Mistake Proofing (Poka-Yoke)
- Learning Assessment

Fundamentals of Six Sigma

- History of Six Sigma
- Lean vs. Six Sigma
- DMAIC vs. DMADV

Define

- Introduction to Define
- Define Tools and Terminology
- Y=f(x)
- Rolled Throughput Yield (RTY)
- Voice of the Customer (VOC)
- Critical to Quality (CTQ)
- Quality Function Deployment (QFD)
- House of Quality
- Kano Models and Pareto Charts
- 5 Whys
- Learning Assessment

Measure

- Introduction to Measure
- Measure Tools and Key Components
- Basic Statistics
- Data Collection Plan
- Scales of Measurement
- Sampling
- Data Definitions
- Gauge R&R
- Statistical Process Control (SPC)
- Control Charts
- SPC Errors
- Understanding Variation
- Displaying Variation
- Measurement Systems Analysis (MSA)
- Quality Loss Function
- Process Capability
- Measurement Error
- Learning Assessment

Analyze

- Introduction to Analyze
- Analyze Tools and Goals
- Revisiting Y=f(x)
- Graphical Analysis
- Problem Statement
- Failure Mode Effects Analysis (FMEA)
- Root Cause Analysis
- Hypothesis Testing
- Confidence Intervals
- Standard Deviations vs. Standard Value
- Sample Mean
- Analysis of Variance (ANOVA)
- Bootstrapping (Resampling)
- Risk Management
- Learning Assessment

Improve

- Introduction to Improve
- Improve Tools
- Developing Solutions
- Risk Mitigation
- Design of Experiments (DOE)
- Cause and Effect Matrix
- Finalized Solutions
- Learning Assessment

Control

- Introduction to Control
- Control Tools
- Control Plans
- Response Plans
- Learning Assessment

Course Summary

- Lean Six Sigma Green Belt Certification Exam

□□ Certification Path

Lean Six Sigma Green Belt (LSSGB)

Exam: LSSGB

Upcoming Schedule

Available training dates for Lean Six Sigma Green Belt (LSSGB) Training:

Start Date	End Date	Location	Delivery	Price
30 Nov 2026	04 Dec 2026	Online	Virtual	€2,295.00

Frequently Asked Questions

Q: What delivery options are available for Lean Six Sigma Green Belt (LSSGB) Training?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The Lean Six Sigma Green Belt (LSSGB) Training course helps prepare you for the Lean Six Sigma Green Belt (LSSGB) certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the LSSGB official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: Do you provide corporate training for Lean Six Sigma Green Belt (LSSGB) Training?

Yes, we provide corporate training, dedicated training, and closed classes for Lean Six Sigma Green Belt (LSSGB) Training. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Lean Six Sigma Green Belt (LSSGB) Training?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Lean Six Sigma Green Belt (LSSGB) Training training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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