



Lean Six Sigma Black Belt Certification Training Course

Accredited By



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About Simplilearn:

Simplilearn is your partner in professional development, offering expert-led Lean Six Sigma training designed to enhance your operational excellence and quality management skills. Our comprehensive curriculum, delivered by experienced instructors, covers key methodologies like DMAIC and equips you with the tools to drive process improvement and organizational success.

For more information, please visit our website:

<https://rebrand.ly/black-belt-simplilearn>



500,000+

Professionals
trained



1,000+

Trainers across
the globe



80+

Countries and
counting

40,000+

Reviews from Alumni all
Over the World

4.8



Google

4.7



facebook

4.7



COURSE
REPORT

4.9



switchup

Program Overview:

The Black Belt certification program with IASSC is designed to deepen your understanding and mastery of Six Sigma methodologies, tools, and techniques. It builds upon the foundational knowledge gained during your Green Belt certification and takes it to higher proficiency and expertise. This course provides in-depth training in statistical analysis, project management, leadership, and strategic alignment. Participants will learn to lead complex improvement projects, drive organizational change, and deliver measurable business results.

Advancing from a Green Belt to a Black Belt certification with IASSC offers numerous benefits, including career advancement, enhanced skills, industry recognition, and the ability to drive significant organizational improvements. It's a valuable investment in your professional development and future success in Six Sigma.

Program Features:



Exclusive GenAI Modules for Quality Management



4 Simulations Assessments | 2 Live Projects



Exam cheat sheet to help you ace the Black Belt Exam



36 hrs of Live Instructor-led Training | Earn 35 PDUs



Accredited to Globally Recognized IASSC



IASSC Exam Voucher Included | Lifetime LMS Access



Benefits

Earning the Six Sigma Black Belt certification demonstrates advanced expertise in process improvement and a commitment to professional development. Certified Black Belts are highly valued for their ability to lead complex projects, drive organizational change, and deliver measurable business results. By leading successful Six Sigma projects, you can deliver substantial Return On Investment (ROI) for your organization through cost savings, process improvements, and revenue enhancement.

This certification can lead to increased job opportunities, higher earning potential, and greater job satisfaction.

Demand for Lean Six Sigma Professionals:

The demand for Black Belt professionals in various industries remains consistently high due to their expertise in implementing Six Sigma methodologies to drive continuous improvement, streamline processes, and enhance organizational performance.

Median advertised salary for positions requiring a Six Sigma Black Belt, according to Lightcast



\$120,200

Five most popular skills for Six Sigma Black Belt Project Managers and the annual average salaries

\$98,769

Data Analysis

\$99,561

Project Management

\$135,028

Strategic Project Management

\$98,943

Process Improvement

\$101,099

Lean Manufacturing

Delivery Mode

- ✓ Online bootcamp - online self-paced learning and live virtual classroom.

Prerequisites

- ✓ No prerequisites are required to sit for the IASSC Certified Lean Six Sigma Black Belt exam.



Target Audience

- ✓ Project managers
- ✓ Manufacturing engineers
- ✓ Consultants
- ✓ Quality Managers
- ✓ Operations Managers
- ✓ Business analyst
- ✓ Project management specialists

Key Learning Outcomes

At the end of this Six Sigma Black Belt training, you will be able to:

- ✓ Apply Lean concepts such as 5S, waste reduction, process mapping, value stream mapping, and mistake proofing to increase organizational efficiency.
- ✓ Apply basic and more advanced statistical analyses to determine the relationship between key inputs and process outputs.
- ✓ Help organizations ensure compliance with regulations by implementing robust quality management systems and processes.
- ✓ Effectively manage team dynamics and understand how to work with multiple levels of leadership to remove barriers, achieve project success and drive organizational change initiatives.
- ✓ Identify inefficiencies, minimize waste, and optimize processes, resulting in significant business cost savings.

Course Curriculum:

1 Section 1 - Define Phase

Lesson 1 - The Basics of Six Sigma
Lesson 02 - The Fundamentals of Six Sigma
Lesson 03 - Selecting Lean Six Sigma Projects
Lesson 04 - The Lean Enterprise

2 Section 02 - Measure Phase

Lesson 01 - Process Definition
Lesson 02 - Six Sigma Statistics
Lesson 03 - Measurement System Analysis
Lesson 04 - Process Capability

3 Section 03 - Analyze Phase

Lesson 01 - Classes of Distribution
Lesson 02 - Inferential Statistics
Lesson 03 - Hypothesis Testing
Lesson 04 - Hypothesis Testing with Normal Data
Lesson 05 - Hypothesis Testing with Non-Normal Data

4 Section 04 - Improve Phase

Lesson 01 - Simple Linear Regression
Lesson 02 - Multiple Regression Analysis
Lesson 03 - Designed Experiments
Lesson 04 - Factorial Experiments

5 Section 05 - Control Phase

Lesson 01 - Lean Controls
Lesson 02 - Statistical Process Control (SPC)
Lesson 03 - Six Sigma Control Plan

Get Trained by the Best!



Amol Swaroop

Founder & CEO - Omnilearn

Anmol is a results-driven and organized professional with over a decade of experience in operations, supply chain/logistics, Lean Six Sigma, Project Management, Aviation, consulting and education management.



Customer Reviews



Simhachalam Mamidi

Manager - Quality, Risk Advisory &
IT Audit at Wipro

"Excellent course with clear
demonstration of concepts."



Gafoor Sarang

Director Operational Excellence
at CSL Behring

"Training was great; the trainer had good
knowledge."



Nilesh T Naik

Manager Global Logistics
at Datacard Group

"It's really good to understand various
decision making concepts before
implementing them."



Namuduri A R Chandu

Project Manager at
Geometric Ltd.

"Trainer's knowledge is precise & has
depth simplified to general terms &
concepts are clear"



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