

Lean Six Sigma Green Belt Blended Learning (IASSC®)

Duration: approx. 60 hours study time/ 365-day access /IASSC® exam voucher included

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Aligned with the International Association for Six Sigma Certification (IASSC™), this course integrates DMAIC methodology and lean with case studies to equip you with the skills required to facilitate an organization's growth.

Are you absent during virtual training sessions? No problem, you will receive the recordings of the sessions and you can watch them at your own pace!

A unique blended learning & Certification package including:

- 56 hours of applied learning: 16 hours of online self-paced learning to combine with 40 hours of Live Virtual Classes
 - **Online classes with a wide range of time slots**
 - Recording of virtual classes available in case of absence
 - 4 real-life projects to practice the skills learnt
 - 4 simulation test papers for self-assessment
 - 24x7 learner assistance and support
 - **IASSC Lean Six Sigma Green Belt exam voucher**



This module is in English. The exam is available in English or French.

Lean Six Sigma is aimed at professionals wishing **to understand and apply the Lean Six Sigma principles and instruments** in order to work effectively with, or as a member of, **a process improvement team**.

- **Improve Business Processes:** Lean Six Sigma is a data-driven approach to process improvement that can help organizations reduce waste, improve efficiency, and enhance overall performance.
- **Identify and address** process inefficiencies, which can lead to cost savings and increased productivity.
- **Develop Specific Skills:** These skills include project management, data analysis, and problem-solving, which are valuable in any business setting.

COURSE & LEARNING OBJECTIVES

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

- Lead and implement Lean Six Sigma projects in your organization
- Identify an improvement in the Define phase of the project
- Define how to measure process and product in the Measure phase of the project
- Analyze data and test hypotheses in the Analyze phase of the project
- Identify possible improvement processes and actions based on the performance of variations in the Improve phase
- Increase operating efficiency in the Control phase of the project
- Become an expert in Design for Six Sigma (DFSS) tools such as Quality Function Deployment (QFD), Risk Priority Number (RPN), and Failure Mode and Effects Analysis (FMEA)

Course Curriculum

- **Module 00: Course Introduction**
- **Module 01: Six Sigma and Organizational Goals**
 - Lesson 1.0: Introduction to Six sigma and Organizational Goals
 - Lesson 1.1: Six sigma and Organizational Goals
 - Lesson 1.2: Lean Principles in the Organization
 - Lesson 1.3: Design for Six Sigma (DFSS) Methodologies
 - Lesson 1.4: Summary to Six Sigma and the Organization

- **Module 02: Define Phase**
 - Lesson 2.0: Introduction to Define Phase
 - Lesson 2.1: Project Identification
 - Lesson 2.2: Voice of the Customer (VOC)
 - Lesson 2.3: Project Management Basics
 - Lesson 2.4: Management and Planning Tools (Apply)
 - Lesson 2.5: Business Results for Projects
 - Lesson 2.6: Team Dynamics and Performance
 - Lesson 2.7: Summary of Define Phase
 - Lesson 2.8: Project
- **Module 03: Measure Phase**
 - Lesson 3.0: Introduction to Measure Phase
 - Lesson 3.1: Process Analysis and Documentation (Create)
 - Lesson 3.2: Probability and Statistics
 - Lesson 3.3: Collecting and Summarizing Data
 - Lesson 3.4: Statistical Distributions (Understand)
 - Lesson 3.5: Measurement System analysis (MSA)(Evaluate)
 - Lesson 3.6: Process and Performance Capability
 - Lesson 3.7: Summary of Measure Phase
 - Lesson 3.8: Project
- **Module 04: Analyze Phase**
 - Lesson 4.0: Introduction to Analyze Phase
 - Lesson 4.1: Hypothesis Testing
 - Lesson 4.2: Exploratory Data Analysis
 - Lesson 4.3: Summary of Analyze Phase
 - Lesson 4.4: Project
- **Module 05: Improve Phase**
 - Lesson 5.0: Introduction to Improve Phase
 - Lesson 5.1: Design of Experiments (DOE)
 - Lesson 5.2: Root Cause analysis (Analyze)
 - Lesson 5.3: Lean Tools Preview
 - Lesson 5.4: Selecting a Solution
 - Lesson 5.5: Summary of Improve Phase
 - Lesson 5.6: Project
- **Module 06: Control Phase**
 - Lesson 6.0: Introduction to Control Phase
 - Lesson 6.1: Statistical Process Control (SPC)
 - Lesson 6.2: Control Plan (Apply)
 - Lesson 6.3: Lean Tools for Process Control
 - Lesson 6.4: Summary of Control Phase
 - Lesson 6.5: Project
- **Practice Projects**

COMPLETION CRITERIA

- **Online Classroom:**
 - Attend one complete batch
 - Complete one simulation test with a minimum score of 60 percent
- **Online Self-Learning:**
 - Complete 85 percent of the course
 - Complete one simulation test with a minimum score of 60 percent

WHO SHOULD ATTEND?

Professionals in quality management fields will benefit from this program, such as:

- Quality System Managers
- Quality Engineers
- Quality Supervisors
- Quality Analysts, and Managers
- Quality Auditors
- Individuals who want to learn and practice Lean Six Sigma Principles

PREREQUISITES

Learners need to possess an undergraduate degree or a high school diploma.

ABOUT THE CERTIFICATION

- Official International Association for Six Sigma Certification (IASSC)/PeopleCert exam voucher
- Online proctoring exam any time, 7 days a week, 24 hours a day
- Exam available in English or French
- 3-hour multiple-choice
- 100 questions with a pass mark of 70 %
- Closed book exam
- Holders of Lean Six Sigma - IASSC® Certified Green Belt™ are required to be re-certified within 3 years from their original certification
- Rescheduling an exam up to 48 hours before the start time is free of charge. Subsequent rescheduling is subject to an additional fee

WHAT'S INCLUDED?

This package includes:

- High quality self-paced learning content with video tutorials
- To combine with 40 hours of Live Virtual Classes
- 4 real-life projects to practice the skills learnt
- 4 simulation test papers for self-assessment
- 24x7 learner assistance and support
- **IASSC Lean Six Sigma Green Belt exam voucher**