

Lean Six Sigma Training Yellow Belt



Course Description

Whether you are just entering the Lean Six Sigma arena or are preparing for the Yellow Belt certification, put your best foot forward with this premier instructor-led training course from ASQ. These informative and engaging virtual sessions cover the entire Yellow Belt Body of Knowledge needed for taking the certification exam, as well as lean tools using the Define, Measure, Analyze, Improve and Control (DMAIC) methodology. Upon completion of the course, students will receive a certificate of completion and are prepared to sit for the ASQ Six Sigma Yellow Belt Certification Exam.

Who Should Attend

This course is suited to those just entering the Lean Six Sigma arena as well as those preparing for Yellow Belt certification.

Learning Objectives

- To understand the Lean Six Sigma tools a Yellow Belt would be expected to use when on a project team.

Duration

Overall, the course takes 15 hours to complete and is designed for two 1-day sessions (8-hours per day). However, the overall course schedule can be customized to best serve clients' needs.

Mode of Delivery

Live Virtual or In-person options are available

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Course Outline

Day 1

- Lean Six Sigma Overview
- Define Phase Tools and Methods
- The DMAIC Team
- Project Types and Selection
- SIPOC Diagrams
- Project Authorization
- Communications
- Project Management Tools
- Measure Phase Tools and Methods
- Data Collection
- Process Maps
- Basic Statistics
- Gage R&R
- Basic Measurement Systems Evaluation
- Analyze Phase Tools and Methods
- Introduction to Hypothesis Testing
- Theory of Constraints

Day 2

- Failure Modes and Effect Analysis
- Improve Phase Tools and Methods
- Eliminating Waste
- Work Balancing
- Visual Management
- Total Productive Maintenance
- Kaizen
- 5S
- Gemba
- Plan-Do-Check-Act
- Cost Benefit Analysis
- Control Phase Tools and Methods
- Standardization & Documentation
- Introduction to SPC/Control Charts
- Mistake (Error) Proofing
- Control Plans