

Lean Methods Accelerator

Course Map

Total Estimated Hours: 18.45

SESSION 1: Introduction to Lean Methods

2 HOURS

- Introduction
- The 5 Lean Principles
- What's In a Name?
- Input Determines Output
- DMAIC - The Improvement Process
- Lean and DMAIC
- Thought Process Mapping - Toolset
- Skill Check

SESSION 2: Lean Tools to Define and Measure

5.8 HOURS

- Introduction
- Process Thinking
- The Source of Value
- The Source of Value: Gemba
- The 8 Forms of Waste
- Process Mapping - Overview
- Value-Added Flow Charts
- Spaghetti Charts
- Takt Time
- Value Stream Mapping Toolset
- Leveling Production (Heijunka)
- Measurements
- Discrete vs. Continuous Measurements
- Pareto Chart Toolset
- Benchmarking
- Kaizen Toolset
- Skill Check

SESSION 3: Lean Tools To Analyze, Improve, and Control

10.65 HOURS

- Introduction
- The A3 One-Page Report
- 5-Why, 1-How
- Design for Lean Six Sigma (DFSS)
- Design For Lean - Supply Chain Dynamics
- Error-proofing
- Continuous Flow Toolset
- Quick Changeover Toolset
- Cellular Processing Toolset
- The Theory of Constraints (TOC) Toolset
- Pull System Overview
- Pull Scheduling
- Core Process Pull Toolset
- Replenishment Pull Overview
- Visual Management
- 5-S Approach
- Total Productive Maintenance
- TPM Objectives & Benefits
- TPM Metrics
- TPM Core Elements
- TPM Maintenance Activities
- Standardized Work - Documenting Process Changes
- Leader Standard Work Toolset
- Skill Check
- Course Completion
- The Lean Journey