

Lean Six Sigma Yellow Belt Progressive Step 2



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Program Overview

Building upon the Lean Six Sigma White Belt course, Yellow Belt practitioners will be able to explain how Six Sigma and Lean are unique but highly-complimentary approaches, and when used in concert, can deliver breakthrough improvements in any business sector or environment.

The "Six Sigma" component of this course will continue an exploration of each phase of Six Sigma's DMAIC problem-solving methodology, successful project charters, process mapping, cause and effect tools, as well as process control and understanding process capability.

The continued exploration of Lean principles and commonly used tools will complete the Yellow Belt level of knowledge in Lean Six Sigma.



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DAY 1:

Digging Deeper into Lean as a Yellow Belt

1. Defining Value
2. What is Lean Thinking?
3. Writing Effective Problem Statements
4. The 5W2H Method
5. SIPOC Overview
6. Cause & Effect Diagrams (review)
7. Pareto Charts
8. Tools to Eliminate Waste
9. 5S/6S
10. Visual Workplace
11. Standardized Work
12. Introduction to the Lean Huddle

DAY 2:

Digging Deeper into Six Sigma as a Yellow Belt

1. DMAIC Roadmap
2. Introduction to Basic Statistics
3. Types of Data
4. Central Tendency Measure
5. Standard Deviation
6. Histogram & Box Plots
7. Normal Distributions
8. Scatter Plots & Correlation





Learning Outcomes

- Describe the 5 principles of Lean and provide a definition of “value-added”
- Assist others in applying the concept of the 8 sources of waste when identifying opportunities for improvement
- Construct SIPOC and process flow maps
- Facilitate Cause & Effect sessions and use Pareto Charts to help focus process improvement and problem-solving activities
- Conduct current and future state Value Stream Mapping (VSM)
- Explain the difference between “Push” versus “Pull” systems and the concept of “Flow”
- Understand how to apply workplace organization, including 5S & Visual Management
- Describe the steps to successfully facilitating a Kaizen Event
- Explain the importance of Standard Work in a Lean workplace
- Explain the five phases of the DMAIC Roadmap
- Describe basic statistics
- Understand the different types of Data
- Explain Central Tendency Measures & Standard Deviation
- Assist others in creating Histograms, Box Plots, Scatter Plots & Correlation

Course Facilitator: Jeff Woods ASQ LSSBB, LSSMBB



Jeff Woods is a Master Black Belt with over 20 years of experience leading Lean Six Sigma deployment, training, and transformation initiatives. He has supported organizations across technology, manufacturing, financial services, and operations environments, focusing on practical application and measurable improvement outcomes.

He previously served as Director of Lean Six Sigma at Ceridian, where he led enterprise-wide continuous improvement strategy, training, and execution.

Jeff brings extensive experience delivering customized Lean Six Sigma training programs, mentoring improvement leaders, and helping organizations translate continuous improvement principles into measurable operational results.

Course Facilitator: Mike Norman, LSSMBB



Mike Norman is a Lean Six Sigma Master Black Belt with over 30 years of experience in operational excellence across healthcare, education, and public sector environments.

He specializes in Lean Six Sigma training, project coaching, and Lean system implementation. His experience includes leading multi-site improvement initiatives focused on patient flow, operational efficiency, and performance management.

Mike brings strong capability in translating Lean principles into practical, sustainable operational systems.

Mike brings extensive experience delivering customized Lean Six Sigma training, developing internal improvement leaders, and helping organizations build sustainable continuous improvement capability that drives measurable business results.

Course Facilitator: Riaz Ali, P.Eng., LSSBB



Riaz Ali is a Professional Engineer and Lean Six Sigma Black Belt with over 15 years of experience in engineering, energy, telecommunications, and municipal environments.

He has led major improvement initiatives for organizations including TC Energy, Bechtel, and ConocoPhillips Canada focusing on data-driven process improvement and operational optimization.

Riaz also brings significant instructional experience from the University of Calgary, where he has designed and delivered Lean Six Sigma certification programs.

Riaz brings extensive experience in continuous improvement training, data-driven decision making, and operational performance improvement within complex engineering and industrial settings, helping participants develop the skills required to lead and sustain meaningful business improvements.

Course Materials

Included with the registration fee are course materials and toolkit.

Participants will also be provided with recommended online resources.

2026 Course Price & Dates

Course Price: \$1,580 + applicable taxes per person

Course Dates: October 14 (White Belt prerequisite) +
October 27 – 28, 2026 (Yellow Belt)

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