



LEAN SIX SIGMA GREEN BELT CERTIFICATE

Centered around the Six Sigma DMAIC framework (Define, Measure, Analyze, Improve, and Control), participants learn additional tools to diagnose organizational performance barriers. Discover the power of data modeling, risk management methods, and capacity management strategies to drive improvements in your business. Participants choose from three learning tracks: Healthcare, Manufacturing, and Knowledge Work.

This course goes beyond DMAIC tools to cover other vital components of a continuous improvement framework. Learn the importance of organizational culture and leadership behaviors and explore proven strategies to impact these areas. Gain knowledge of management approaches that instill systems thinking and leadership discipline to support both strategic planning and daily operations.

Over a three-day period, you will learn practical ways to implement advanced Lean Six Sigma strategies and leadership discipline into your organization. Expand your capability for data-driven root-cause analysis using Six Sigma statistical modeling. Learn how to create management systems to foster "line of sight" at all levels of your business. Explore meaningful strategies to create a culture of continuous improvement and innovation.

Gain skills that leaders at every level of an organization need to be effective in today's complex and ever-changing business environment.

Program Agenda (in-person)

DAY 1

9:00 AM - 10:00 AM	Case study overview
10:00 AM - 10:15 AM	Break
10:15 AM - 11:45 AM	Group Work (SIPOC)
11:45 AM - 12:30 PM	Lunch
12:30 PM - 1:30 PM	Group Work (Project Charter Development)
1:30 PM - 1:45 PM	Break
1:45 PM - 3:15 PM	The Analyze Phase: Pareto Charts, Normality, T-Tests
3:15 PM - 3:30 PM	Break
3:30 PM - 4:00 PM	Six Sigma at an Academic Medical Hospital Article Discussion

DAY 2

9:00 AM - 10:00 AM	Day 1 Review & Group Work Share-Out
10:00 AM - 10:15 AM	Break
10:15 AM - 11:45 AM	The Analyze Phase: Correlation & Regression
11:45 AM - 12:30 PM	Lunch
12:30 PM - 2:00 PM	Group Work - Case Study Root-Cause Analysis Using Six Sigma Modeling Tools
2:00 PM - 2:15 PM	Break
2:15 PM - 3:00 PM	Visualizing the Future State
3:00 PM - 4:00 PM	Risk Identification & Assessment: Lecture and Group Work
Self-paced work	Reading: Kellogg Case Study

DAY 3

9:00 AM - 9:30 AM	Day 2 Review & Group Work Share-Out
9:30 AM - 10:15 AM	Continuous Flow & Capacity Optimization
10:15 AM - 10:30 AM	Break
10:30 AM - 11:30 AM	Cultural Enablers Defined Group Discussion of Shingo Elements
11:30 AM - 12:15 PM	Lunch
12:15 PM - 1:00 PM	Management Systems Defined
12:45 PM - 1:00 PM	Break
1:00 PM - 1:45 PM	Group Work: Hoshin Planning Exercise
1:45 PM - 2:30 PM	Kellogg Case Study discussion