



LEAN SIX SIGMA GREEN BELT CERTIFICATE

Program Overview

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: Health care, 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.

Lean Six Sigma Green Belt Certificate can be taken as a stand-alone course or as a prerequisite for the [Executive Certificate in Organizational Leadership](#).

Program Agenda

DAY ONE

DAY TWO

DAY THREE

9 - 10 a.m.	Case Study Overview	9 - 10 a.m.	Day One Review and Group Work Share-Out	9 - 9:30 a.m.	Day Two Review and Group Work Share-Out
10 - 10:15 a.m.	Break	10 - 10:15 a.m.	Break	9:30 - 10:15 a.m.	Continuous Flow and Capacity Optimization
10:15 - 11:45 a.m.	Group Work (SIPOC)	10:15 - 11:45 a.m.	The Analyze Phase: Correlation and Regression	10:15 - 10:30 a.m.	Break
11:45 a.m. - 12:30 p.m.	Lunch	11:45 a.m. - 12:30 p.m.	Lunch	10:30 - 11:30 a.m.	Cultural Enablers Defined Group Discussion of Shingo Elements
12:30 - 1:30 p.m.	Group Work (Project Charter Development)	12:30 - 2 p.m.	Group Work—Case Study Root-Cause Analysis Using Six Sigma Modeling Tools	11:30 a.m. - 12:15 p.m.	Lunch
1:30 - 1:45 p.m.	Break	2 - 2:15 p.m.	Break	12:15 - 12:45 p.m.	Management Systems Defined
1:45 - 3:15 p.m.	The Analyze Phase: Pareto Charts, Normality, T-Tests	2:15 - 3 p.m.	Visualizing the Future State	12:45 - 1 p.m.	Break
3:15 - 3:30 p.m.	Break	3 - 4 p.m.	Risk Identification and Assessment: Lecture and Group Work	1 - 1:45 p.m.	Group Work: Hoshin Planning Exercise
3:30 - 4 p.m.	Article Discussion: Six Sigma at an Academic Medical Hospital	Self-paced work	Reading: Kellogg Case Study	1:45 - 2:30 p.m.	Discussion: Kellogg Case Study