LEAN SIX SIGMA
BLACK BELT
CERTIFICATION

Lean Six Black Belt

Lean Six Sigma Green Belt

Lean Six Sigma Yellow Belt

- Achieve the highest level of Lean Six Sigma Certification.
- Discover advanced tools and techniques to optimize your problem-solving and analytical skills.
- Program includes Pre-Training, Training, Post-Training, and all tools & templates.
- 80 hours of CPE credits.

PRESENTED BY

RIVERWOOD
ASSOCIATES

Become a leader in your organization with a Lean Six Sigma Black Certification.

REGISTRATION

$5,000 standard registration
$4,000 for RA Green Belts

Includes curriculum PDF, tools and templates, certification exam.

WHEN:

Week 1: Oct 30-Nov 3, 2023
Week 2: Nov 13-17, 2023
8:00am to 5:00pm

WHERE:

Live, Instructor-led, Online

CLICK TO REGISTER

Tinyurl.com/LSSBB-2023

Questions?
Contact: Peter Sherman
678-595-7942
peter@riverwoodassociates.com

Create an Army of Problem Solvers

Lean Six Sigma Certification Training,
Critical Thinking, Decision Making Skills

RIVERWOOD
ASSOCIATES
Lean Six Sigma Training & Consulting

www.riverwoodassociates.com

About This Workshop

The certified **Lean Six Sigma Black Belt** represents the culmination of your Lean Six Sigma training. Black Belts are expected to identify process improvement initiatives, lead projects, and coach Green / Yellow Belts. This 2 week training program covers advanced Lean Six Sigma principles, tools, and techniques. The core focus is understanding full DMAIC / DMADV process through exercises (individual and group). Candidates should bring laptops and calculators in order to complete statistical exercises. An approved project is required as part of the certification. Instructor will coach / advise Black Belt candidates throughout the project and evaluate the project. Green Belt certification is a pre-requisite.

What You Will Learn

- **Lean Six Sigma Overview / DMAIC and DMADV Framework**: Philosophy, goals & objectives, structure, organization.
- **Technical Skills**: Statistical Process Control, Capability, Statistical Methods & Sampling, Gage R&R, Distributions for Continuous / Discrete Data, Control Charts for Continuous (X Bar R, X Bar S, I-MR) and Discrete Data (p, np, c, u), Linear and Multiple Regression, Correlation, ANOVA, Hypothesis Testing, FMEA, Value Stream Mapping, Probability Plots, Reliability, Design of Experiments, 1-Piece Flow, Kanban, Total Productive Maintenance, LEAN metrics.
- **Project Management Skills** Project Identification and Chartering, Project Organization, Project Planning, Team and Facilitation Techniques, Portfolio Planning.
- **Financial Concepts**: Business Plans, COPQ, ROI, Payback, Break-Even Analysis.

Other Details

- **Project:** An approved project must be completed by the Black Belt candidate that demonstrates knowledge of the LSS process and techniques. The project must produce meaningful, quantifiable results (i.e., cost savings, incremental revenue, customer satisfaction improvement, etc.).
- **Analytical Software Package:** Participants will use Minitab 19 to conduct statistical and DOE analysis during class. Minitab offers a free 30-day trial.
- **Exam:** The Black Belt exam will be conducted on the last day of training. Minimum passing grade is 80%.

Why Choose Riverwood Associates for Lean Six Sigma Training?

Riverwood Associates is a leading provider of Lean Six Sigma training for businesses and individuals. Our trainers are industry practitioners with more than 25 years of experience in the practical application of Lean Six Sigma methods and techniques. Riverwood Associates training programs are interactive, combining instruction with actual problem-solving applications. We provide training that enables participants to build problem-solving skills, streamline operations in their businesses, and increase profitability, quality, and customer satisfaction.

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About the Facilitator

Peter J. Sherman brings more than 25 years experience leading process improvement programs in manufacturing, business services and healthcare.

Peter is a Certified Lean Six Sigma Master Black Belt, ASQ Certified Quality Engineer, and APICS Certified Supply Chain Professional.

From 2010-14, Peter served as Director of Process Excellence for Cbeyond Communications, a publicly-traded, $500M revenue telecommunications provider based in Atlanta, GA. Previously, Peter was a Master Black Belt with AT&T for 10 years.

Peter began his career in Japan as a visiting M.I.T. Scholar in 1986-87. There he worked with Dr. Edwards Deming, the noted American Quality expert. Peter learned first-hand Japanese quality practices including the Toyota Production System and Kaizen. Later, he served as Lead Instructor of Emory University's Six Sigma Program in Atlanta, GA. Peter has authored 80 articles on Continuous Improvement and quality. Peter writes the Operational Excellence column for *SCMNow Magazine.*

Peter holds a B.S. in Building Construction from the University of Florida, a Master's in Civil Engineering from M.I.T. and an MBA from Georgia State University. Peter served as Chair of the ASQ Atlanta Section and is a member of APICS.

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