

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.

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

WHEN: Q4 2026 (TBD)
2 weeks
8am to 4:30pm EST

WHERE: LIVE, ONLINE, INSTRUCTOR-LED



Create an Army of Problem Solvers

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



PRESENTED BY



**RIVERWOOD
ASSOCIATES**

REGISTRATION

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

Includes curriculum PDF, tools and
templates, certification exam.

CLICK TO REGISTER

Questions?

Contact: Peter Sherman

678-595-7942

peter@riverwoodassociates.com

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%.

Your Facilitator



Peter J. Sherman brings 25+ years experience leading operational and process improvement initiatives across manufacturing, technology, and healthcare.

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

Peter has held senior operational excellence roles including Director of Process Improvement at Cbeyond Communications, a publicly traded \$500M telecommunications company, and Master Black Belt at AT&T, where he led enterprise-wide improvement programs for more than a decade.

He began his career in Japan as a visiting Massachusetts Institute of Technology Scholar. Peter worked at Toyota's Kamigo Engine Plant, applying the principles of the Toyota Production System and working directly with W. Edwards Deming. Peter later served as Lead Instructor for Emory University's Six Sigma Program in Atlanta.

Peter is a recognized thought leader in continuous improvement, having authored 100+ articles and served as Operational Excellence columnist for ASCM Magazine and ASQ's Expert Answers Panel. He previously chaired the ASQ Atlanta Section and serves on the board of the ASCM Atlanta Chapter as VP Education. Peter serves as Membership Chair of the Rotary Club of Dunwoody.

He holds a B.S. from the University of Florida, an M.S. in Civil Engineering from MIT, and an MBA from Georgia State University.

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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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