



Aslinger & Associates

Performance Improvement Consultants

Contact Us
for a free consultation!
4179 Gann Store Road, Hixson, TN 37343



Black Belt Certification

Four Five-Day Workshops • Spread over 4 months

Purpose of this Training

To develop the technical and leadership skills of those individuals who have been selected to become Lean/Six Sigma Black Belts: continuous improvement role models, resources, and the leaders of the company's large Six Sigma projects

Participants Learn...

- ...how to lead Six Sigma project teams in the application of Six Sigma and Lean Thinking technical tools to accomplish breakthrough reductions in process variation and waste
- ...how to apply group process and project management skills in a way that empowers and develops both operating teams and project teams
- ...how to deliver bottom line impact on projects, providing immediate return on investment while building excitement and commitment to the organization's Six Sigma strategy

Black Belt training curriculum

The Black Belt curriculum contains critical lean, six sigma, project management and leadership skills necessary to execute projects across the organization and perform as an agent of change transforming the performance and culture of the organization. A detailed listing is attached as page 2.

Why this training is important?

Developing a culture of continuous improvement using Lean/Six Sigma methods requires expertise in technical and leadership skills to successfully complete projects which impact bottom-line results. Black Belts learn these skills through this combination of training and application.

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Black Belt Curriculum

Week 1

- Introduction to Six Sigma
- Types and Sources of Variation
- Process Mapping
- Failure Mode Effects Analysis
- Introduction to Minitab
- Basic Statistics
- Analyzing Variation (Sub-grouping)
- Measurement Systems Evaluation
- Effective Meetings and Facilitation
- Project Management
- Project Application Planning

Week 2

- Basic Problem Solving Tools
- Process Capability
- Inferential Statistics and Hypothesis Testing
- Components of Variation
- Building an Effective Six Sigma Team
- Contracting with your Champion and Process Owner
- Project Application Planning

Week 3

- Introduction to Design of Experiments
- Full Factorial Design of Experiments
- Fractional Factorial Design of Experiments
- Measuring Project Results
- Situational Leadership
- Lean / Flow Concepts (Office and Factory)
- Project Application Planning

Week 4

- Advanced DOE Topics
- 5S and Visual Management
- Standard Work
- Mistake Proofing
- Transition Management
- Statistical Process Control
- Building Control Plans
- Project Application Planning

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