



LEAN SIX SIGMA

GREEN AND BLACK BELT CERTIFICATION PROGRAMS

GEORGIA STATE UNIVERSITY J. MACK ROBINSON COLLEGE OF BUSINESS

PROGRAM DATES 2016

GREEN BELT

January 25-29
April 11-15
July 18-22
September 12-16

BLACK BELT

June 13-17
Nov. 28-Dec. 2

PROGRAM FEES

Green Belt Only
\$3,750 per person

Black Belt Only
\$3,950 per person

To be successful, organizations need a consistent methodology for solving complex problems. They also need professionals who can find opportunities for continuous improvement that will delight customers. This is why certified Lean Six Sigma professionals are in high demand in IT, manufacturing and especially in the professional services sector.

The program benefits:

- Learn the Lean Six Sigma Methodologies and Tools
- Master the DMAIC (Define-Measure-Analyze-Improve-Control) Process
- Solve Complex Problems that are Critical to the Company's Future
- Use Lean Six Sigma as an Engine for Organizational Growth
- Analyze the Voice of the Process (VoP) and Voice of the Customer (VoC)
- Develop New Skills in Process Mapping and Value Stream Mapping
- Understand how to use MiniTab Software for Data Analytics

The program faculty:



PROFESSOR KEN LEVINE, DBA, MASTER BLACK BELT

Director of the Lean Six Sigma Program since 2004 and a highly-rated instructor. Ken is a Master Black Belt who joined the GSU faculty after a 24-year career at The Coca-Cola Company working in IT, marketing research, and quality management. He holds a degree in mathematics and earned a Doctor of Business Administration



PROFESSOR SATISH NARGUNDKAR, PH.D., MASTER BLACK BELT

An award-winning teacher specializing in business analysis and modeling, business intelligence, and the decision sciences. Satish is a Master Black Belt with numerous years of Lean Six Sigma teaching and consulting experience. He is the past recipient of the Excellence in Teaching Award from Georgia State University's Robinson College of Business.

LEAN SIX SIGMA GREEN BELT AND BLACK BELT CERTIFICATIONS

DAILY
AGENDAS

GREEN
BELT
PROGRAM

Day 1: Monday

Introduction to Six Sigma, Lean, and Business Analytics

- Six Sigma improvement methods and the DMAIC process
- Identifying and connecting key process indicators with strategy
- The lean philosophy and value stream mapping
- Transforming data into insights and insights into decisions
- Developing enterprise-wide performance dashboards

Day 2: Tuesday

LSS Methodologies and Tools: The Define Stage

- The big picture and understanding customer requirements
- Project prioritization, charting a project, roles and responsibilities
- Listening to the Voices (Customer, Process, Employee)
- Affinity diagrams, the Kano Analysis, and SIPOC
- Process mapping, capacity planning, and the cost of quality



Example of a Lean Six Sigma Black Belt Certification that you will receive at the end of the program

Day 3: Wednesday

Information Structure and Decision-Making: The Measure Stage

- Identifying inputs and outputs, measuring process capability, and revising the project charter
- Setting targets, identifying the types of measures, best practices in data collection and reporting
- Statistical process control (SPC), control charts, and cause and effect diagrams, Pareto charts
- Root cause analysis, fishbone charts, variation analysis, and SPC attribute measurements
- Quarterly audit scores, the process capability index, and introduction to Minitab software

Day 4: Thursday

Importance of Diagnosis First and then Action: The Analysis Stage

- Qualitative versus quantitative analysis, identifying the key performance indicators (KPIs)
- Process analysis and flowchart techniques, benchmarking, and finding the root cause
- Statistical roadmap for analysis and hypothesis testing
- Testing of the means, variation, and proportions
- Descriptive statistics and forecasting models

Day 5: Friday

The Engine for Growth: The Improve and Control Stages

- Developing potential solutions, creating the future state, evaluating the risk
- Launching the pilot plan, determining the Kaizen events, optimizing solutions
- Implementing controls, developing standards, and process monitoring
- Integrating Lean Six Sigma with change management and project closure

Special Note: Once you complete the LSS Green Belt Certification Program, you qualify for the Black Belt Program. Full details available at www.execed.gsu.edu

The Registration Process

You can access full program details and register online at www.execed.gsu.edu
Begin by selecting the Certificate Programs option and then Lean Six Sigma and the Details/Registrations tab

For More Information, Contact:

GSU Robinson Executive Education Center at 404-413-7300 or via email at execed@gsu.edu

Disclaimer:

Program content and instructors may change slightly due to new developments in Lean Six Sigma education.



Held at the new GSU Buckhead Center

Discounts

- Early Bird Registration (5%)
- Companies Sending a Team, Non-Profits, and Military (10%)
- Past Program Participants (10%)
- GSU Alumni and Students (25%)
- GSU Full-Time Employees (50%)