

## What is Lean Six Sigma?

In a simple explanation, Lean Six Sigma can be described as a statistical method to eliminate waste and improve efficiency in an organization's processes. Having a history dating back to Motorola, Lean Six Sigma has been taken to an extraordinary level that spans across an array of industries beyond manufacturing. Now found in the service and transactional environment, Lean Six Sigma brings a refreshing outlook on business process improvement for how a company defines, measures, analyzes, improves and controls both operations and financials. For companies who have chosen to implement Lean Six Sigma throughout their enterprise, they have conservatively impacted their bottom-line with tangible results in the range of \$500,000 to \$1,000,000. Through the use of Lean Six Sigma, companies can:

- Enhance problem solving effectiveness by providing a model for deeper analysis of problem situations.
- Clarify the difference between analytical and creative thinking, and when each is most useful.
- Promote the ability to provide problem-solving support in situations where one is not an expert in the process or technology involved.



### Lean Six Sigma Dual Training (Yellow/Green Belt/Black Belt; 16-week evening class)

**Yellow Belts** are considered prime candidates to participate on Lean Six Sigma teams. They are trained / certified individuals who maintain a general knowledge of the Lean Six Sigma approach and basic methodologies and tools. Yellow Belts are empowered to provide more meaningful assistance through dedicated projects, and their day-to-day roles toward the organization's performance goals.

**Green Belts** – Green Belts are at the level below Black Belts in their role and responsibility level of the Lean Six Sigma strategy. They operate utilizing basic statistics and soft skills to execute their projects as assigned by either Master Black or Black Belts. In addition, they prepare the team leader to address the initial opportunities for improvement.

**Black Belts** - Black Belts lead and execute Lean Six Sigma projects within their organization by applying Lean Six Sigma techniques and tools with advanced statistics. They are mentors to Green Belts ensuring proper tool and technique utilization for overall project success. **(College credit offered.)**

*Since 1988, the Mid-South Quality Productivity Center is among the nation's leading quality centers in the global marketplace. A partnership of the Greater Memphis Chamber and Southwest Tennessee Community College, our mission is to champion market excellence for organizations in Memphis, the Mid-South and globally, by offering training and consulting to enhance quality and employee development.*

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Lean Six Sigma Yellow Belt	Lean Six Sigma Green Belt	Lean Six Sigma Black Belt
<p>\$750.00/\$650.00 (GMC Member Discount)</p> <p><b>Yellow Belts</b> – Yellow Belts are considered prime candidates to participate on Lean Six Sigma teams. They are trained / certified individuals who maintain a general knowledge of the Lean Six Sigma approach and basic methodologies and tools. Yellow Belts are empowered to provide more meaningful assistance through dedicated projects, and their day-to-day roles toward the organization’s performance goals.</p> <p>Training outline:</p> <ul style="list-style-type: none"> <li>• Quality Basics</li> <li>• Six Sigma Basic Philosophy and Concepts</li> <li>• Basic Lean Concepts</li> <li>• The Team Approach</li> <li>• Basic Lean Six Sigma Project and Team Tools Approach</li> </ul>	<p>\$4,500.00/ \$4,000.00 (GMC Member Discount)</p> <p><b>Green Belts</b> – Green Belts are at the level below Black Belts in their role and responsibility level of the Lean Six Sigma strategy. They operate utilizing basic statistics and soft skills to execute their projects as assigned by either Master Black or Black Belts. In addition, they prepare the team leader to address the initial opportunities for improvement.</p> <p>Training outline:</p> <ul style="list-style-type: none"> <li>• Apply Six Sigma’s DMAIC methodology</li> <li>• Apply root cause analysis techniques</li> <li>• Work with a Black Belt in a Six Sigma improvement team</li> <li>• Apply the tools to improve his /her functional area</li> <li>• Understand how to greatly improve customer satisfaction</li> <li>• Impact the company’s bottom line</li> </ul>	<p>\$8,500.00/ \$8,000.00 (GMC Member Discount)</p> <p><b>Black Belts</b> – Black Belts lead and execute Lean Six Sigma projects within their organization by applying Lean Six Sigma techniques and tools with advanced statistics. They are mentors to Green Belts ensuring proper tool and technique utilization for overall project success.</p> <p>Training outline:</p> <ul style="list-style-type: none"> <li>• Basic Overview of Quality and Improvement Approaches</li> <li>• Lean Six Sigma Methodology</li> <li>• The DMAIC Project Approach</li> <li>• Sigma Levels</li> <li>• Define Phase Overview</li> <li>• Measure Phase Overview</li> <li>• Analyze Phase Overview</li> <li>• Improve Phase Overview</li> <li>• Control Phase Overview</li> <li>• Project Workshop</li> <li>• Certification Exam</li> </ul>

**Other Lean Six Sigma roles include:**

**Master Black Belts** – Master Black Belts attain necessary leadership and change management skills geared towards successfully leading, coaching, and guiding enterprise-level projects. They are typically mentors to Black and Green Belts as well as serve as the middle manager/ executive liaison.

**Champions** – Champions are leaders in the organization that empower the successful completion of strategically aligned projects, and support Lean Six Sigma efforts driving toward the organization’s performance goals. They help remove any roadblocks the Lean Six Sigma Master Black and Black Belts encounter, and in general “champion” the cause and needs to return maximum benefit to the organization. Additionally, champions maintain a general knowledge of the Lean Six Sigma approach and basic methodologies and tools.