

# GBMP Lean Manufacturing Certificate Program



**THIS ESSENTIAL PROGRAM PROVIDES MANUFACTURING, HEALTHCARE AND SERVICE PROFESSIONALS WITH THE KNOWLEDGE AND EXPERIENCE TO IMPLEMENT SUCCESSFUL CONTINUOUS IMPROVEMENT PROJECTS IN THE WORKPLACE**

**Overview:** Over the course of 8 full days (or 16 half days) participants will master critical steps to take to assure dramatic, project focused continuing improvement. After an inspirational and fun introduction to the basics of continuous improvement, students will select a personal project to work on throughout the duration of the course. Guided by an experienced facilitator, students will utilize scientific methods to define, analyze, measure and improve their selected project. At the end of the course, students will complete several small improvement projects as well as one significant project. The is instructor led and can be held virtually or on-site at your company for private courses and at a local company for public courses. On-site courses (public or private) are preferred as they provide easy access to a combination of both classroom and workplace learning.

## **Course Outline:**

- Day One: Introduction to Continuous Improvement
- Day Two: Individual and Team Based Improvement
- Day Three: Value Stream Mapping
- Day Four: Stability, Problem Solving, 5S & Visual Systems
- Day Five: Continuous Flow and Pull Systems
- Day Six: Standardized Work and Set Up Reduction
- Day Seven: Quality Improvement, CEDAC and Poka-yoke
- Day Eight: Management Responsibility, Leader Standard Work and Strategy Deployment.



## **After taking this class attendees will be able to:**

- ✓ Demonstrate a solid understanding of Lean principles and techniques
- ✓ Determine key opportunities and apply these tools in their own workplace
- ✓ Understand how each of the tools can help improve the top (sales) and bottom lines (profitability)
- ✓ Complete several small lean projects and one significant lean project

**Who should attend?** This course is a must for managers, supervisors, engineers and others seeking to gain a practitioner level of knowledge and experience in applying Lean thinking and techniques in their facilities. The course is also appropriate for new hires at companies already using Lean principles and tools, managers and team members looking for a comprehensive refresher, and anyone planning to take the National Lean Certificate Exam will find the program invaluable.

**Time Commitment?** 64 hours (meets 8 times for a full day)

**National Lean Certification:** In order to better prepare our students for the National Lean Certification Bronze Level Exam, GBMP has partnered with the Society of Manufacturing Engineers (SME) to reorganize and enhance our 8-day Lean Manufacturing Certificate Program. Upon completion of the course, students will have a comprehensive understanding of the philosophies and principles which drive Continuous Improvement which comprise the body of knowledge from which exam questions are drawn.



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