

# GBMP Six Sigma Green Belt Certification Course



THE GBMP SIX SIGMA GREEN BELT CERTIFICATION COURSE IS AN 8-DAY\* TRAINING PROGRAM COMPRISED OF FOUR TWO-DAY MODULES (COVERING EACH OF THE SIX SIGMA “ROADMAP” DMAIC STEPS: DEFINE - MEASURE – ANALYZE – IMPROVE – CONTROL).

**Overview:** The certification program is designed to provide both instruction and hands on training (“tacit” learning) as attendees are required to complete a green belt project during the program. This course is conducted “in-house”; as it progresses at least one week is allowed between modules for attendees to apply DMAIC skills acquired to their projects. Class exercises are also designed to include work on student projects wherever possible.

*\*Note: This class can be applied toward the GBMP 16-day Six Sigma Black Belt training course so that Black Belt status can be achieved with an additional 8 days of training and completion of a Black Belt project.*

## After Taking This Course Students Should Be Able To:

- ✓ Understand the Six Sigma variation reduction methodology.
- ✓ Begin to apply the DMAIC “roadmap” and spread the methodology to everyday work problems.
- ✓ Assist Black Belts in Six Sigma teams and team projects.
- ✓ Successfully complete “in the trenches” variation reduction projects of their own.
- ✓ Become a mentor to others in applying statistical analysis to continuous improvement programs in their work environment.

## Who Should Attend?

This 8-day course is appropriate for all levels and disciplines within the organization. It is especially relevant for technically oriented employees in manufacturing environments but can also be very helpful for those in transactional and service functions such as Material Control, IT, Finance, etc.

**Time Commitment?** 64 hours (typically comprised of 8 one-day sessions with a week in between sessions).

## Course Outline:

- What are Lean and Six Sigma?
- The Structure of Six Sigma (DMAIC process) and the White Belt’s role
- Understanding the SIPOC Diagram
- Process Mapping and Value Stream Mapping overview
- Failure Modes and Effects Analysis overview
- Prioritizing with Data (Pareto Chart)
- How to calculate the Cost of Poor Quality (COPQ)
- Standardized Work
- Lean Concepts
- Understanding the Control Plan



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