



## 12-WEEK **ASQ** LEAN SIX SIGMA GREEN & 6-WEEK YELLOW BELT CERTIFICATION PROJECT SUPPORT COURSES With ASQ EXAM

### Training Objectives Present the **ASQ** Lean Six Sigma Body of Knowledge

Demonstrate the use of Six Sigma tools through a simulation project

Follow the D-M-A-I-C project methodology

Have each Green Belt student complete a job related project with measurable impact

Follow a train-and-do approach

Receive Community College Continuing Education Units (CEU's)

Obtain prestigious, internationally recognized certification from the **American Society for Quality** upon successful completion of **ASQ** exam. **Cost of test and test prep included in cost of the class.**

### Training Topics

- Into to Lean Six Sigma
- Project Selection
- Process Mapping
- MSA
- Pareto Analysis
- Gage R&R
- Variation
- Principles of Lean Manufacturing
- Elimination of Waste
- DMAIC Process
- Cause & Effect Diagrams
- Y=f(x)
- Fault Tree Analysis
- Project Document
- Process Capability
- Statistical Process Control
- Value Stream Mapping
- Kanban
- 5S

The Manufacturing Technology Center is proud to offer 12-week Green Belt and 6-week Yellow Belt courses of ASQ Lean Six Sigma Training and Project Support. The courses present the **ASQ** Lean Six Sigma body of knowledge in a simulation workshop application oriented manner using a project simulation that takes the participants through the D-M-A-I-C process improvement methodology. The course format was developed around a Train-and-Do approach. Classroom activities will include a combination of lecture and simulation exercises.

Each Green Belt participant will be required to have a job related and sponsor approved project which should be selected prior to the start of the class. The course agenda is intended to lead participants through completion of their individual project. MTC instructors will provide weekly, on-site support to mentor and coach participants through the completion of these company specific projects. Included with the Green Belt course is a copy of the book CSSGB Primer, and statistical software, QI Macros.

*Projects have a **95% completion rate** and have produced 1<sup>st</sup> year annualized savings of **\$25,000 to \$450,000!***

Yellow Belt students are not required to complete a project.

**Both course fees include the cost of the ASQ certification exam and exam prep!**

### General Course Information

A **12-week Lean Six Sigma Green Belt** course and a **6-week Lean Six Sigma Yellow Belt** course is scheduled to begin in the Fall.

Classes dedicated to one employer can start at any time and can be conducted on site (minimum of 4 students). Location of public classes will be determined by location of the majority of students. The date of the course to begin is contingent upon registration.

**PLEASE NOTE: THERE MAY BE FUNDING AVAILABLE TO DEFRAY ALL OR PART OF THE COURSE FEE. PLEASE CALL THE MTC TO OBTAIN MORE INFORMATION ON FEES AND FUNDING.**

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