



# 12-WEEK LEAN SIX SIGMA GREEN BELT

## (4.8 CEU)

(Opportunity to sit for ASQ Exam)

The Manufacturing Technology Center offers a 12-week Lean Six Sigma Green Belt and Project Support course. The course presents the ASQ Lean Six Sigma Green Belt body of knowledge in a simulation workshop application-oriented manner and includes a project simulation that takes participants through the D-M-A-I-C process improvement methodology. The Train-and- Do process uses classroom activities, combining lecture and simulation exercises.

### TRAINING TOPICS

- Intro 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

\$2,400 per student. A discount will be given if sending 4 or more employees from your agency or company. 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.

*\*Please ask if there are any grants available to subsidize costs.*

The course agenda is intended to teach the ASQ Lean Six Sigma Green Belt body of knowledge while leading participants through completion of their individual project. MTC instructors will provide weekly support to mentor and coach participants through the completion of projects.

**Note:** Course fee includes a copy of the book, *CSSGB Primer*, QIMacros software, cost of the ASQ certification exam, one year membership to ASW, and exam prep.

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*To register for this class and learn more about it, please contact Linda Newman, MTC, at 276-223-4709;  
[lnewman@wcc.vccs.edu](mailto:lnewman@wcc.vccs.edu)  
or your local \*Community College Workforce Development*

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