



12-WEEK LEAN SIX SIGMA GREEN BELT (4.8 CEU)

(Includes a Project Completion and ASQ Exam)

Virginia Highlands Community College: ISC

Begins: 09/23/19

Ends: 12/09/19

LEAN SIX SIGMA GREEN BELT



The Manufacturing Technology Center offers a 12-week **Lean Six Sigma Green Belt** and Project Support course. Class consists of twelve 4-hour classes. 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. Please contact your local Community College Workforce Development Office to ascertain if there are any grants available to subsidize costs.

Notes:

Course fee includes a copy of a *CSSGB Primer*, *CSSGB Solutions Text*, cost of the ASQ certification exam, 1-year ASQ Membership, and exam preparation.

Each Green Belt participant is required to complete a job-related and sponsor-approved project which should be selected prior to the start of the class.

Minimum of an Associate Degree in a business or technology related field and previous exposure to basic statistics.

The course agenda is intended to teach the 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 and prep students for ASQ exam.

To learn more about this course, please contact Linda Newman at 276-223-4709; lnewman@wcc.vccs.edu.

Please register for this course with Virginia Highlands Workforce Development Office - vthomas@vhcc.edu; 276-739-2430