Six Sigma Lean Green Belt Training
The Workforce Training Fund Small Business Direct Access Program

Mount Wachusett Community College
mwcc.edu
The Six Sigma Green Belt course is an 8-day training program in four 2-day modules; one module for each of the Six Sigma “road map” steps: Measure – Analyze – Improve - Control. This program incorporates both classroom instruction and hands on training as attendees are required to complete a project during the program. Class exercises are geared toward these projects.

Who should attend?
This 8-day course is appropriate for all levels and disciplines within the organization. It is especially relevant for technical employees in manufacturing environment but can also be affective for those in transactional and service capacities such as Material Control, IT, Finance, etc.

Eligibility:
• Businesses with less than 100 MA employees that contribute to the Workforce Training Fund. All for-profit businesses and some non-profit organizations contribute to the WTTP via a surcharge on Unemployment Insurance payments.
• Eligible businesses may access up to $15,000 in grant funds per calendar year, $3,000 in grant funding per person, per course.
• Businesses must provide their Department of Unemployment Assistance number and a Certificate of Good Standing (COGS).
• Companies must pay their employees their full wages for time spent in training.

The Workforce Development Department at Mount Wachusett Community College encourages interested businesses to contact them at 978-630-9569 or at training@mwcc.mass.edu to gain more information on how to reserve a seat.

Course outline/topics:

Day 1-2:
• Introduction to Six Sigma and program overview.
• Value Stream Mapping (Finding & eliminating non-value added activity)
• Process Mapping (Finding key input variables that drive customer satisfaction)
• Establishing Metrics (“If you don’t measure it you won’t improve it !!”)
• Basic Statistics and Probability

Day 3-4:
• Graphical data analysis
• Statistical analysis software (Excel and MiniTab)
• Measurement System Evaluations (Gage Repeatability & Reproducibility)
• Problem solving techniques (5 Why’s, C&E Matrix, FMEA)

Day 5-6:
• Introduction to Process Capability studies
• Introduction to Traditional Statistical Process Control (SPC)
• Control Charts for Variables and Attributes
• Rolled Throughput Yield (RTY) (Impact of “hidden factories”)

Day 7-8:
• Hypothesis testing (t–tests for sample means)
• Introduction to Control Plans and proper sampling techniques
• Project Review and Presentation Skills
• Combining “Lean” techniques and Six Sigma