



Center for Continuous Improvement



SIX SIGMA GREEN BELT TRAINING

Participants in our *Six Sigma Green Belt Certificate Training* will learn to apply practical, proven quality management principles that provide an organization with the tools, techniques, resources, culture and business focus needed to 1) maximize customer value by delivering outstanding quality consistently and 2) minimize operational costs by dramatically reducing waste and inefficiencies. They will learn how to apply diagnostic tools and basic, statistical techniques in a real project, using a statistical software package.

Upon completing the training and project, participants will be able to function as contributing members and leaders of effective, project improvement teams. The Six Sigma tools will help them achieve significant results that impact the bottom-line and increase customer satisfaction for their organizations.

Day 1:

- Introduction to Six Sigma program
- Basic Statistics Minitab basics
- Customer Satisfaction
- Overview of Six Sigma
- Nominal Group Technique/Affinity Diagrams
- SIPOC
- Process Maps
- Project – Develop a First Pass of Six Sigma Charter

Day 2:

- Presentation Charters
- Process Maps
- Initial Data Collection DPU/DPO/DPMO
- Cause and Effect Matrix
- Cause and Effect Team Exercise
- FMEA
- FMEA Team Exercise
- MSA Attribute Data
- Project – Develop a 50,000 ft. Process Map (SIPOC)

Day 3:

- Individual SIPOC Diagram Presentations
- MSA Variables Data
- Capability Analysis
- Data Analysis Tools
- Team Exercise Universal Manufacturing
- Samples, Populations & Confidence Intervals, Regression, Hypotheses Testing

Day 4:

- Project – On Time Delivery for Design Services
- Prioritization Matrix
- Introduction to DOE
- Control Phase
- SPC Control Charts
- Control Plan Team Exercise
- Project Presentation Outline/Review
- Individual or Team Activity

Day 5:

- Review
- Six Sigma Examination

There will be three (3) requirements for certification:

1. Completion of course and workbook problems (in class)
2. Completion of Six Sigma Exam (on the fifth day)
3. Presentation of approved Six Sigma project upon completion (within 30-90 days)

Attendee Requirements:

1. Basic understanding of math and statistics
2. Basic understanding of Excel (Minitab would be helpful)
3. Full-time classroom attendance and participation

If you wish to tailor this program for onsite training at your company, please contact Carrie Herr, CFCI Director, by calling 419-530-2037 or email carrie.herr@utoledo.edu