Lean Manufacturing

Lean - Six Sigma Black Belt - On-Line

Lean - Six Sigma Green Belt - On-Line

Lean - Six Sigma & Structured Problem Solving Yellow Belt - Classroom

5S and Visual Workplace

Lean - Six Sigma Black Belt Program On-Line Course

- Are your processes performing at their best? How productive could they be? How would you find out?

- What factors are the most critical to ensure your product or service meets your customers' requirements?

- Can you reduce your costs and still improve your quality and reduce your cycle times?

Program Overview:
This Black Belt course combines e-learning with practical application to ensure knowledge transfer of the Six Sigma methodology to the potential Black Belt candidates. The program is structured such that tools are learned though a series of online lectures and demonstrations followed by classroom-based training workshops. Using demonstrations, exercises and project work these workshops focus on one DMAIC phase (with the exception of Define and Measure combined) and are designed to put the tools learned into practical application. Participants will apply learned skills to complete a business-focused project, thus providing organizations with a return on their training investment.

Topics Covered:
- Six Sigma methodology and DMAIC process
- Measurement assessment and tools
- Six Sigma strategy deployment
- Principles of statistical methods and tools
- Project management
- Design of experiment
- Mistake proofing and SPC to ensure performance

Who should attend:
Quality Managers, Quality Engineers, Supervisors, Managers, or Project Managers working on improving organization effectiveness

Testimonial:
"The Six Sigma program has been a great success for INFICON..." - Adam Gadway, INFICON

Annual Start Dates:
September 10, January 15, or May 21

Location:
Online Training

Cost:
$3,680/MACNY member; $4,000/non-member

Facilitator:
Syracuse University/The TCM Group

Lean - Six Sigma Green Belt Program On-Line Course

- Are your corrective and preventive action systems thriving?

- Have you realized quantifiable improvement through your corrective and preventive action processes?

- Do your supervisors or managers really understand and apply appropriate problem solving methodologies?

Program Overview:
This course teaches the methodology of problem solving to apply appropriate and effective analysis tools to prevent the recurrence of problems and prevent the occurrence of potential problems.

Topics Covered:
- Problem identification
- Problem definition
- Immediate correction and containment
- Root cause analysis
- Cause and effect diagrams
- Corrective action implementation
- Preventive action implementation
- Follow-up verification

Who should attend:
Quality Managers, Quality Engineers, Supervisors, Managers, or Project Managers working on improving organization effectiveness

Annual Start Dates:
September 10, January 15, or May 21

Location:
Online Training

Cost:
$1,840/MACNY member; $2,000/non-member

Facilitator:
Syracuse University/The TCM Group

> *Special arrangements have been made for students to utilize Mini-tab during Online Green Belt or Black Belt training free of charge.*

THESE COURSES MUST BE REGISTERED AND PAID IN FULL PRIOR TO THE START OF CLASS!

Lean - Six Sigma & Structured Problem Solving Yellow Belt

- Is your business struggling in this highly competitive marketplace?
- Have you challenged your employees to improve performance and received poor results?
- Are the targets for your key performance indicators continually missed?
- Do your employees have the skills and tools to improve your business?
- Do your employees utilize a structured and data-driven approach to improving performance?

Program Overview:
This course is designed to provide a thorough review of the Lean-Six Sigma tools and methodology. This Yellow-Belt course will provide the basic and powerful tools to generate immediate improvement throughout your business. The course will focus on the DMAIC structured problem solving methodology. It will enable your employees to apply basic principles and tools within a project format for improving his or her daily work. The course will provide practical examples and allow your employees to apply the strategies to specific projects that they can work on within their area of the business.

Topics Covered:
- The need for continuous improvement and world-class performance
- Lean-Six Sigma methodology and DMAIC process
- Project definition strategies
- Establishing baselines and data collection
- Measurement system analysis
- Root cause analysis, Pareto analysis, cause and effect
- Statistical methods and tools
- Priority matrix and brainstorming
- Control charts and SPC

Who should attend:
Functional Managers, Process Owners, Quality Engineers, Supervisors, or anyone having the responsibility for improving organizational performance

Testimonials:
"The program was well developed and thought out. Very helpful information that will assist us in improving our processes." - Michelle Cooper, Turning Stone Resort and Casino

"This was a great introduction to the Lean and Six Sigma programs. Steve was very knowledgeable and made a great effort to show the real-world application of this material. Highly recommended." - Shannon Babbie, Sturges Mfg. Co.

Duration: Two 7.5-hour classes

Location: MACNY Headquarters

Cost: $500/MACNY member; $700/non-member; $450/Individual Member

Facilitator: David Freund

5S and Visual Workplace

- Are you interested in lean and wonder what to do first what will have an imidiate impact?
- Why is 5S more than just good cleaning practices?
- How can you provide visual systems and methods for monitoring the performance of your operations?

Program Overview:
5S is one of the first Lean Tools to learn and implement within your organization. Implementing the 5S method with visual controls will provide you with a means of managing your operations efficiently. Everyone entering your operations will understand the work process and performance results. Visual controls enable the operation to be managed more effectively and will result in accountability throughout your operations. In this session, we will share how 5S (Sort, Set-in-Order, Shine, Standardize and Sustain) can combine with Visual Controls to immediately improve the efficiency of your organization.

Topics Covered:
- Understand benefits of 5S for your organization
- Learn about each aspect of 5S and Visual Controls through best practice examples
- Develop skills and learn strategies for sustaining 5S initiatives
- Develop skills necessary to conduct audits for 5S and Visual Controls
- Plan for implementation in your organization (operations and the office)

Who should attend:
Managers, Supervisors, Engineers, Office Staff, Operators

Testimonials:
"This course was full of great information of 5S, motivation and added a full meaning of the 5S." - Jeffrey Felton, Bristol-Myers Squibb Company

"I didn't know a lot about 5S before this course, but now I understand its importance and am excited to implement it throughout our facility." - Jim Hickel, O'Brien & Gere

Duration: One 3-hour class

Location: MACNY Headquarters

Cost: $195/MACNY member; $395/non-member; $175.50/Individual Member

Facilitator: David Freund