

Course Outline

Lean Six Sigma Green Belt

Course objective: For student to learn the foundations of Lean Six Sigma and develop problem solving, process improvement and facilitator skills. A graduate from this course is able to effectively implement solutions that result in lower costs, faster delivery, higher quality and increased safety of operations.

Course description: A project based curriculum that leverages the use of simulations, case studies and student interactions for the most effective learning experience. Students are assigned to a team of four to seven people. Students learn and practice the skills necessary to map, analyze and improve work processes, implement change management strategies, apply structured problem solving methods, apply root cause analysis tools and implement proven Lean Six Sigma countermeasures. (see syllabus)

There is a total of 30 classroom hours with additional 2-4 hours of study to be completed after class hours. A previous day content review will be accomplish during at the beginning of days 2-5. A final team presentation and submission of project documentation is required for course completion.

Classroom hours: 9:00am – 4:00pm daily (30 classroom hours)

Course strategy: Five consecutive days of in-class, hands on learning. (see course syllabus)

Day 1: Introduction to Lean Six Sigma and facilitation workshop

Day 2: Problem solving methods and customer value analysis

Day 3: Process mapping and root cause analysis tools

Day 4: Lean Six Sigma countermeasures and action planning

Day 5: Team presentations, sustainment and replication (certification exam)

Upon completion

1) Knowledge, skills and abilities

Possess a complete understanding of Lean and Six Sigma

Ability to apply standardized problem solving and root cause analysis tools

Ability to map, analyze and improve work processes

Ability to facilitate meetings and other improvement events (Kaizen)

Ability to develop and implement proven process improvement strategies

Ability to effectively present project results and document project details

Posses high degree of confidence to pass Lean Six Sigma certification test

2) Earned credential

Lean Six Sigma Green Belt “Certificate of Training” for course completion

Or

Lean Six Sigma Green Belt “Certification” if score an 75% or better on certification test

3) Provided resources

Hard copy workbook

Notepad, pen, and other course materials

4) Certification test provided by American Association for Lean Six Sigma Certification (AALSSC)

Included with tuition

Computer based, open book, proctored test offered upon course completion