



Solomon EOS™
EBLS Lean Six Sigma Yellow Belt

This course introduces the core methodologies of Lean Six Sigma Process Improvement Model (D.M.A.I.C.) which combines the disciplines of Lean and Six Sigma. This course covers the following topic areas: Overview of Lean Six Sigma and Introduction to the core concepts of the LSS process improvement methodology; Cost of Poor Quality; Voice of the Customer; Core LSS project Tools; Process mapping; Core Lean Tools; data Collection; and error proofing.. This course emphasizes interactive simulations, small group interaction, and a comprehensive real-world project in order to gain the distinction of Certified Yellow Belt.

Who Should Attend: Yellow Belts include individuals with diverse technical, operational and/or transactional backgrounds looking to be introduced to the LSS process. Natural candidates to become Yellow Belts are people whose current positions are routinely associated with or directed at problem solving. Individuals identified for this intense training should be those who will be expected to become continuous process improvement team members.

Objective: After certification, Yellow Belts usually function as part-time members of Lean Six Sigma, process improvement action teams within their functional area. Yellow Belts usually work under the supervision and mentorship of a Green Belt, and may be associate team leaders in a closely scoped project or sub-project.

Yellow Belts do not need to have any previous process improvement experience prior to training. The workshop is concluded with a coached project, wherein each Yellow Belt must demonstrate the ability to implement process improvement using Lean Six Sigma methodologies. Upon successful completion of the project, the participant will become a Certified Yellow Belt.

Each trained Yellow Belt will be able to:

- Describe the nature and purpose of Lean Six Sigma
- Define Lean and identify the 8 Wastes
- Identify internal and external customers and stakeholders
- Understand the elements of a Project Charter and their importance
- Apply DMAIC methodology to organize project thinking and work
- Understand the concept of Value and Value Stream Mapping (VSM)
- Understand the importance of operational definitions and standard work
- Construct Cause & Effect (Fishbone) Diagrams, Spaghetti Diagrams, and Location Plots
- Apply 5 Whys and Brainstorming
- Interpret Pareto Charts
- Describe Kaizen Event and discuss its purpose, process, and application
- List and describe 5S
- Define Visual Management and describes its purpose and benefits
- Explain the importance of Standard Work
- Apply workplace design and layout to minimize waste
- Describe Flow from a Lean perspective
- Describe the concept and importance of Point of Use Inventory (POUS)
- Describe the concept and importance of Quality at the Source
- Apply basic Error Proofing (Poke Yoke) concepts
- Understand the importance of the Control Phase
- Understand and follow a Control Plan

Credit for this course is CEU based on the Clock Hour system as determined by the Institution. Additionally, participants completing this course may be eligible for academic credit as determined by the institution.

Lean Six Sigma Yellow Belt

Yellow Belt certification delivers in-depth training preparing participants to lead Lean Six Sigma efforts and project teams. This class includes 30 hours of e learning modules and 10 hours of classroom training, with individual coaching between classes. Participants complete a real-world project as part of certification.