



Solutions in Operations

*How do you design,
manage, and improve your
key products and work
processes?*

*How do you ensure effective
management of your
operations?*



Six Sigma Green Belt

Lean Six Sigma is a systematic, fact-based, problem solving methodology that provides the tools and skills to reduce variation and waste within processes. Six Sigma tools are paired with the fundamentals of Lean Manufacturing to increase productivity, boost quality and enhance competitiveness by reducing cost.

WHY A GREEN BELT?

Lean Six Sigma Green Belts are key to the success of an organization's continuous improvement initiatives by serving on project teams, leading and executing process level improvement projects, collecting process data, using simple statistical tools to develop statistical hypotheses, designing simple experiments and transitioning projects to process owners to ensure process gains are sustained. If your desire is to reach Black Belt status, Green Belt Training fulfills the first two weeks training requirement for Black Belt training.

IMEC'S APPROACH

Applying learning to projects in your company

Prior to the training, Lean Six Sigma Green Belts are required to identify a cost saving or business improvement project to be implemented at the candidate's company.

Time to learn and apply

Lean Six Sigma Green Belt candidates undergo two weeks of intensive training. Up to four hours of coaching follows classroom training to help participants successfully implement their projects.

Course Objectives

- Become familiar with the DMAIC method of process improvement
- Initiate/complete a cost saving or business improvement project that exceeds the identified measures.

SIX SIGMA GREEN BELT PREREQUISITES

- Participants must arrive to class with at least one potential project which ideally can be initiated and completed during the training period.
- Projects must be selected by the Client's executive management team or Lean Six Sigma Steering Committee/Champions, and submitted for review and screening by IMEC Green Belt instructors at least one week prior to the beginning of Green Belt training.
- Assistance in identifying appropriate projects is available.
- Participants must bring a Windows-based laptop with a flash drive, and have access to that laptop throughout the training.
- Participants must have Minitab® Release 15 Statistical Software for Windows installed on their laptop computers. The Client is responsible for providing this software.
- Participants must be committed to attending all days of training (eight days of classroom and up to four hours of coaching), in order to successfully complete this course

LEAN SIX SIGMA GREEN BELT TOPICS

- Overview of Lean Six Sigma
- Process Mapping (SIPOC)
- Cause and Effects Matrix
- Failure Modes Effects Analysis
- Basic Statistics
- Sampling Considerations
- Intro to Minitab
- Basic Quality Tools
- Measurement Systems Analysis
- Statistical Process Control
- Capability Analysis
- Multi Vari Analysis
- Hypothesis Testing
- Chi Square
- T-tests
- One-way ANOVA
- Correlation and Regression
- Control Methods
- Design of Experiments

WORKSHOP DETAILS

Class size: 10-16



For more information, contact IMEC at 888-806-4632 or info@imec.org.