

Six Sigma

Six Sigma Green Belt - 5 Days or Online

Course Code: SIG501

The Six Sigma Green Belt operates in support of or under the supervision of a Six Sigma Black Belt, analyzes and solves quality problems, and is involved in quality improvement projects. A Green Belt is someone with at least three years of work experience who actively and effectively uses his or her knowledge of Six Sigma tools and processes. This class provides the tools required to conduct improvement projects.

Learning Objectives

- Role of the Green Belt
- Explain the benefits of Six Sigma
- Develop a continuous improvement philosophy
- Listen to voices of the customer
- Diagram a process strategy
- Use the DMAIC methodology
- Project selection and charter
- Measuring goals and deliverables
- Employ process flow charting and SIPOC
- Soliciting customer requirements
- Apply problem solving tools
- Manage data collection
- Select metrics
- Perform process capability analysis

Topics & Content

- Project selection and charter
- Goals and deliverables
- Process flow charting
- SIPOC
- Customer requirements
- Probability and statistics
- Problem solving tools
- Data collection
- Metrics
- Process capability analysis
- Data analysis
- Correlation and regression
- Estimation
- Confidence intervals
- Hypothesis testing
- Developing solution approaches
- Failure Mode and Effect Analysis
- Error proofing
- Theory of process control
- Use of control charts (SPC)
- Implementing project results

Course Information

Duration

5 days

Online over several weeks is also available

Audience

Individuals desiring to improve their Six Sigma skill set

Accreditations

PMI: 35 PDUs

SHRM 35 PDCs

OPM: 35 CLPs

OPM Competency: Problem Solving



“The class was very challenging and covered a lot of territory. I’m glad I did it.”