

# Green Belt Course Agenda

## After attending this training, participants will be able to:

- Describe Six Sigma roles within an organization
- Use statistical tests to improve processes
- Use Minitab to run statistical tests
- Define a Six Sigma project
- Create charts, process maps, and control plans needed to complete a Six Sigma project



## Prerequisites:

- Ability to use standard Microsoft Office software

### Session 1

- Six Sigma Introduction
- Six Sigma Project Definition
- Project Selection Process
- Six Sigma Deployment
- Process Mapping
- Input Prioritization Tools
- Failure Mode Effect Analysis
- Introduction to Minitab
- Measurement Systems
- Capability Analysis
- Sample Size Selection
- Statistical Process Control
- Process Control Plan
- Project Plan & Deliverables
- Final Exam Module 1

### Session 2

- Advanced Graphical Analysis
- Multi-Vari Planning
- Variation Trees and Funneling
- Hypothesis Testing
- Statistical Analysis Roadmap
- Test for Mean with t-test
- One Way ANOVA
- Non-manufacturing Applications
- Correlation and Regression
- Multi-Vari Analysis
- Process Control Plan
- Project Plan & Deliverables
- Final Exam
- Comprehensive Green Belt Exam

## Upon completion, participants will receive:

- 40 PDUs from PMI
- 4.75 CEUs from IACET
- Certificate of Completion

