



# Six Sigma – Green Belt Certificate Course



Fee: \$2100/person  
 Instructor: Ed Kashmere

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 wants to demonstrate his or her knowledge of Six Sigma tools and processes. (American Society of Quality)

**Day 1**

**Module 1: Introduction to Six Sigma**

- Process Analysis Intro/SIPOC
- Requirements for a Six Sigma Project
- Six Sigma Roles and Responsibilities
- Kaizen Event

**Module 2: Tools and Processes**

- Introduction to Statistical Tools
- Six Sigma Management
- Process Analysis Expanded
- Process Models

**Day 2**

**Module 3 & 4: DMAIC Model**

- Phase Review
- Ping Pong Case Study
- Team Case Study Initiated

**Day 3**

**Module 5: ISO Standards & Graphing Measurements**

- Statistical Concepts Expanded
- Graphing, Pareto Diagrams
- Control Charts
- Optimizing Tools & Exercises

**Day 4**

**Module 6: Project Management for Six Sigma Projects**

- Overview of PMI’s nine Knowledge Areas
- Project Charter
- Scope Statement
- Scheduling
- Project Monitoring & Control
- Ping Pong In-class optimization

**Day 5**

**Module 7: Complete Project Management for Six Sigma Projects / DMAIC Model Expanded**

- Completion of the review of PMI’s nine Knowledge Areas
- Network Diagram / Critical Path
- DMAIC Model Expanded
- Team Case Study

**Module 8: Presentations of Final Case Study / Checklist Development / Tool Organization**

- Presentations
- Checklist Development
- Tool Arsenal & Integration of Course Concepts
- Next Steps

For more information, go to [abington.psu.edu/outreach](http://abington.psu.edu/outreach) or contact Joy Fraunfelter at 215-881-7487 or [jkf10@psu.edu](mailto:jkf10@psu.edu)