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New Jersey DOE Certified  
NJ/NY/PA Approved DOL, WFD, WIA, TRA, JTPA

## **The Six Sigma Green Belt Certificate Program**

**Length: 80-hour program in 4 weeks**

**Cost: \$5,900**

### ***Overview***

This learning series is designed to enable participants to fulfill the important role of a Six Sigma Greenbelt. With a focus on effective data collection the series will teach the basic tools and techniques of the Define, Measure, Analyze, Improve and Control Six Sigma Methodology.

### ***Who Should Attend***

Process experts, team members or individuals who will support Black Belts with data collection and project leadership will learn the tools and techniques needed to successfully fulfill the Green Belt role.

### ***Performance Focus***

Using a pre-determined real business problem, participants will learn the proven tools and techniques of the Define, Measure, Analyze, Improve and Control (DMAIC) Methodology. Participants will learn how to provide data collection support to Black Belts as well as how to fulfill the project manager role on smaller projects of their own. Using hands on, interactive exercises, instructors will demonstrate when, why and how basic statistical tools are used to identify and eliminate defect drivers.

### ***What You Will Learn***

You'll learn how to:

- ❖ Identify and measure critical customer requirements
- ❖ Identify and collect non-biased data
- ❖ Lead project teams through the DMAIC process improvement methodology



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- ❖ Use the basic statistical tools and techniques for defect elimination and process simplification
- ❖ Use Minitab statistical software to perform statistical analysis
- ❖ Turn data into knowledge and knowledge into dramatic improvements
- ❖ Effectively support Black Belts on multiple projects

## **Course Overview**

Six Sigma Introduction  
Project Definition  
Minitab Basics Part I  
Introduction to Basic Statistics  
Project Plan Development Measure  
Process Mapping  
Cause & Effect Tools  
Advanced Basic Statistics  
Measurement Systems Analysis  
Data Collection Planning  
Sampling  
Capability Analysis Analyze  
Failure Mode & Effect Analysis  
Graphical Techniques  
Confidence Intervals  
Intro to Hypothesis Testing  
Mean Testing  
One-way ANOVA Improve  
DOE Introduction  
Full Factorial Part I  
2k Factorials Part I Control  
Intro to Control Methods  
Intro to Statistical Process Control (SPC)  
Attribute SPC  
Variable SPC  
Process Control Plans  
Project Closure