



CONTINUING EDUCATION

Six Sigma Black Belt Fast Track

CEQAL 564

The Six Sigma program provides Black Belt candidates with in-depth training in the Six Sigma methodology along with the tools and methods used within the methodology to drive cost reductions and improvement in customer satisfaction. Participants receive twenty days of intensive, workshop-focused instruction over a four-month period. Concurrently, students select and complete an actual project utilizing the Six Sigma methodology and tools.

Who Should attend: Individuals who wish to utilize Six Sigma Black Belt tools to drive improvements in quality, productivity, cost reductions and customer satisfaction.

Prerequisite: A basic knowledge of algebra

CEU'S Credits: 16.0

Duration: 160 Hours – 20-day course

Course Content: **Introduction to Six Sigma**
This section introduces the Black Belt to the fundamentals of Six Sigma. It creates an understanding of the Six Sigma framework within the organization and the framework of a Six Sigma project.

- Benefits of Six Sigma programs
- Six Sigma Integrated Model – how Six Sigma drives process improvement
- How to effectively implement Six Sigma in an organization
 - Cultural issues
 - Strategic issues
 - Tools issues
- Six Sigma Project Methodology Overview
 - Define
 - Measure

- Analyze
- Improve
- Control
- Project Selection
 - How to select appropriate projects
 - How to avoid inappropriate projects
- Project Scoping
 - Avoiding scope creep
 - Aligning resources

Define

This section details the initial phase of the Six Sigma methodology. Extensive workshop time is spent developing the key documentation required to create a firm foundation for the remainder of the project.

- Developing a comprehensive Project Charter
 - Problem statement, goal statement, objectives, business case and milestones
 - Baselining the process
- Developing a Process Map
 - Process flow charts
 - Process maps
- Project Plan
- Process FMEA

Each participant will receive a comprehensive manual and a Certificate of Completion at the close of the seminar.