



CONTINUING EDUCATION

ASQ Certified Six Sigma Black Belt Exam Review

CEQAL 566

Gain the knowledge required to take the ASQ Certified Six Sigma Black Belt Exam.

Who Should Attend: Individuals who wish to take the ASQ Certified Six Sigma Black Belt Exam.

Prerequisite: A strong knowledge of Six Sigma Methodology See ASQ Requirements (www.asq.org)

CEU's Credits: 4.0

Duration: 40 Hours – 5-day course

Course Content: **Certification Overview**

Enterprise-Wide Deployment

- Enterprise View
- Leadership
- Organizational Goals and Objectives
- History of Organizational Improvement

Business Process Management

- Process vs. Function View
- Voice of the Customer
- Business Results

Project Management

- Project Charter and Plan
- Team Leadership
- Team Dynamics and Performance
- Change Agent
- Management and Planning tools

Six Sigma Methodology - Define

- Project Scope
- Metrics
- Problem Statement

Six Sigma Methodology - Measure

- Process Analysis and Documentation
- Probability and Statistics
- Collecting and Summarizing Data
- Measurement Systems
- Analyzing Process Capability

Six Sigma Methodology – Analyze

- Data Analysis
- Hypothesis Testing

Six Sigma Methodology - Improve

- Design of Experiments
- Response Surface Methodology
- Evolutionary Operations (EVOP)

Six Sigma Methodology – Control

- Statistical Process Control
- Control Charts

Lean Enterprise

Design for Six Sigma

- Quality Function Deployment
- FMEA

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