

Advanced Systems Consultants

Six Sigma Green Belt Training & Certification

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The Six Sigma Green Belt training is an intensive two-week course, with one-week training sessions followed by three to four weeks of application. This gives the Green Belt candidate the opportunity to apply the Six Sigma tools in their own business environment and complete an improvement project. Ideally, the project selection is done with the assistance of their organization's Six Sigma Black Belt to assign a smaller-in-scope project related to the candidates daily work.

On the first day of each one-week session, the candidate presents the project's progress and all its deliverables in ASC's standard Six Sigma project format. The project will then be reviewed and a gap analysis will be conducted. The candidates will work on the same project throughout the training sessions. The Apply-and-Review format of training will give the candidate practical experience and strong confidence in problem-solving while learning the Six Sigma tools and DMAIC approach. Upon completion of the course, the candidates have a period of three months to finalize the project and present it for inclusion into the Certification process.

Master Black Belt support is available and recommended during the Green Belt certification and Six Sigma implementation process.



Green Belt Benefits

- **ASC's Six Sigma Green Belt Training and Certification provides the candidates with the DMAIC knowledge to support the Black Belts and apply the tools in their respective projects.**
- **It provides the problem-solving methodology necessary to improve business processes.**
- **Map business processes and improve their efficiency by eliminating non-value added operations**
- **Learn Minitab statistical software to analyze data.**

Week One

Define

- Achieving Six Sigma - Orientation (A6S)
- Green Belts' Functions and Responsibilities
- Team Building and Project Definition
- Six Sigma Initiative Overview and Roadmap
- Voice of the Customer
- Process Mapping

Measure

- Cause and Effect Diagrams
- Fundamental Statistics
- Measurement Systems Analysis
- Hands-on Gauge Repeatability and Reproducibility Study
- Failure Mode & Effect Analysis (FMEA)

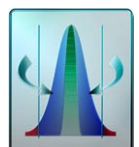
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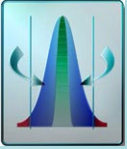
ASC-Six Sigma

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Week One

Analyze

- Minitab Data Analysis
- Graphical Techniques
- Process Performance, Process Capability and Analysis
- Six Sigma Metrics
- Hypothesis Testing (Variable and Attribute)
- Mean and Variance Testing
- Project Deliverables



Week Two

Improve

- Analysis of Variance (ANOVA)
- Correlation and Regression
- Multi-Vari Chart and Analysis (MVA)
- Introduction to Design of Experiments (DOEx)
- Full Factorial
- Fractional Factorial Designs
- Minitab Data Analysis

Control

- Statistical Process Control
- Tests of Unnaturalness
- Positrol Plans and Traceability Logs
- WorkStandards
- Project Conclusion & Documentation

Green Belt Course Objectives

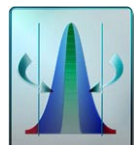
- **Understand and apply the Six Sigma Green Belt Body of Knowledge.**
- **Learn to apply DMAIC to any process, project or critical business issue.**
- **Interface and support the Black Belts and Champions in improving the organization.**
- **Learn and apply correctly the statistical methods.**
- **Sell convincingly an improvement opportunity to management.**
- **Contribute successfully in a Six Sigma based organization.**

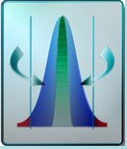
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How does our Training & Certification work?

Our Six Sigma training is based on a proven model that maximizes learning, i.e., Train, Demonstrate, Plan, Apply and Review. This gives the candidate the opportunity to learn and apply the Six Sigma tools in their own business environment.

Train:

Our sessions consist of focus and effective lectures, including real-life examples, individual & group exercises, quizzes and deliverables.

Demonstrate:

ASC's comprehensive number of successful projects (18 years) are shared and discussed, so the candidates can visualize what other successful candidates have achieved.

Plan:

At the conclusion of each session, project planning between the candidates and the Master Black Belt will take place.

Apply:

Each Green Belt candidate has three weeks between training sessions to work on their respective project, apply the tools and produce a presentation demonstrating results.

Review:

On the first day of each training session, the Green Belt candidates will begin by presenting their project's deliverables. The projects will then be reviewed and a gap analysis conducted.



To be Awarded a Green Belt Certificate

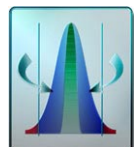
- Complete all Assignments
- Pass a Written Examination
- Successfully Complete One Improvement Project
- Demonstrate Understanding of Six Sigma Tools Through Implementation
- Document and Present a Project as a Six Sigma Report

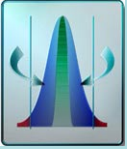
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Course and Other Fees:

- Six Sigma Green Belt Training & Certification - *REQUEST A QUOTE*.
- ASC's Master Black Belt support and consulting - *REQUEST A QUOTE* per day plus expenses.

Payment:

- Fees for the SS Green Belt Training and Certification are *REQUEST A QUOTE* per candidate.
- Full payment is due three weeks (21 days) before the first day of training.
- Payment method: cheque, credit card or Net-15 purchase order.
- Payment for travel expense associated with project support is due 30 days after invoice.

Cancellation Policy:

- Cancellations made up to 30 days prior to the first day of training will be accepted with full refund.
- Cancellations made less than 30 days prior to the first day of training will be subject to a \$2,500 cancellation fee per candidate.
- Cancellations made after training has started will result in a loss of the entire tuition.
- ASC reserves the right to cancel or reschedule any course and is not responsible for any travel charges or penalties incurred as a result.

Six Sigma Candidates are responsible for:

- Identifying a Six Sigma project in their own organization with the assistance of a Black Belt.
- Providing a laptop computer with Minitab, Microsoft Office installed.
- ASC can make special arrangements to purchase Minitab if required.

Course Length:

- 10 days, two 5-day sessions, delivered over a two month time frame.

Course Requirements:

- PC laptop computer with Microsoft Office and Minitab Software installed.
- Scientific Calculator.

Prerequisites:

- No prior knowledge or experience in statistics or in Minitab is necessary.

Course Includes:

- Minitab Software Demo.
- CpkPlus Version 1.0 Software.
- ASC's Proprietary and Copyrighted Training Materials in Binder format.
- One copy of ASC's text books associated with the training.

Location:

- Open enrollment training at a Scottsdale, Arizona location.
- Training can also be conducted at your location for 5 or more candidates (request a quotation).

Class Size:

- Typically 10-30 candidates.

Green Belt OPEN ENROLLMENT

- **Call 480-432-0081 for Dates and Availability**

Master Black Belt Support and Consulting:

Certification: Technical Support during the certification process should be done with the technical assistance of a Six Sigma Master Black Belt.

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