



Susan O. Schall, Ph.D., President, SOS Consulting, LLC, has over 20 years experience delivering improved performance through strategic process improvement. Susan has broad experience in engineering, statistical and business process improvement methodologies, including Six Sigma, team-based problem-solving, *Lean*, quality management systems, operations assessment, and strategic planning. Susan is a *Lean Six Sigma Master Black Belt*.

**Non-Credit Registration**  
**Call today!**  
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**For all course descriptions**  
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# American Society for Quality (ASQ) Certified **Six Sigma** **Black Belt Exam** Preparation Course



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## What is Six Sigma

Six Sigma is a highly disciplined methodology that focuses on processes to improve growth and productivity. It is also a change initiative that aligns actions to strategy, drives operational discipline, and develops leaders.

## What is a Certified Six Sigma Black Belt?

A Certified Six Sigma Black Belt is a professional who can use the Six Sigma philosophies and principles, including supporting systems and tools, to obtain business results. A Black Belt also demonstrates team leadership, understands team dynamics and assigns team member roles and responsibilities. Black Belts have a thorough understanding of all aspects of the DMAIC model in accordance with Six Sigma principles.

## Who Should Attend

Green Belts, Black Belts, and individuals leading a Six Sigma project, and/or individuals looking to achieve their ASQ certification as a Certified Six Sigma Black Belt (CSSBB).

## Do I need to be an ASQ Certified Six Sigma Green Belt to take the exam or the course?

You do NOT need to be an ASQ Certified Six Sigma Green Belt. Green Belt knowledge, however, is a pre-requisite to attend the course. This includes knowledge of the fundamentals of Six Sigma (business value, roles and DMAIC roadmap), process characterization (process

mapping), data collection, basic statistics and graphs, process capability, measurement systems, measuring and modeling relationships between variables, experimentation, and process control. The ASQ Six Sigma Green Belt Body of Knowledge may be found at: <http://asq.org/certification/six-sigma-green-belt/bok.html>.

If you have specific questions about your knowledge and experience that the above does not answer, please contact Susan Schall at [susan@soschall.com](mailto:susan@soschall.com) or 540-636-1418.

## Course Topics

The primary objective of the CSSBB Refresher course is to prepare individuals to pass the ASQ Certified Six Sigma Black Belt exam. The course will cover the nine main domains in the CSSBB Body of Knowledge:

- I. Enterprise-wide deployment
- II. Organizational process management and measures
- III. Team management
- IV. Define
- V. Measure
- VI. Analyze
- VII. Improve
- VIII. Control
- IX. Design for Six Sigma

Each topic will be reviewed through lecture and/or exercise, and practice exam questions. The course will NOT teach all the details of each of the major topics in the ASQ CSSBB Body of Knowledge.

## What homework or preparation is required between course sessions?

Course participants will need to read assigned materials, complete practice exam questions, and prepare questions for discussion at the next training session.

## How will I know I am prepared to take the ASQ Certified Six Sigma Black Belt exam?

The last session of the course will include a practice exam and opportunity to review and discuss the results with the instructor and rest of the class.

## Class Information

49903; \$1,995 (includes books valued at \$110); you may apply for grant funding reimbursement up to 50%; Five Thursdays & Fridays, Sep 29-30, Oct 13-14, 27-28, Nov 10-11, and Dec 1-2, 8:30 am – 4:30 pm; BRCC Harrisonburg Center. **Deadline to register: September 15!!**

*Your company may be eligible for grant funds administered through Blue Ridge Community College. The grant funding covers 50% of the tuition and materials!*