

Design for Six Sigma (DFSS) 2023

Design for Six Sigma (DFSS) is the application of Six Sigma principles to the design of products and their manufacturing and support processes. It is used for product or process *design* in contrast with process improvement. Measurement is the most important part of most Six Sigma or DFSS tools, but whereas in Six Sigma measurements are made from an existing process, DFSS focuses on gaining a deep insight into customer needs and using these to inform every design decision and trade-off.

This course will take participants through a journey from capturing voice of the customer through concept development with techniques to predict product manufacturing capability and performance in the field.

 **May 2 – 4, 2023** (3 days)
June 6 – 8, 2023 (3 days)

 8:30 AM – 4:30 PM

 \$3,295/person. \$2,900 before Mar.3
Meals and course materials included

 MRC

 Register:
mrcpa.org/events



*Fees and times subject to change.
Visit mrcpa.org/events for current details.

Course Highlights



Week 1

- Project Identification and Chartering
- VOC (Voice of the Customer) Gathering
- AHP (Analytical Hierarchy Processing)
- Product/Process Capability Tracking
- DFMEA (Design Failure Modes and Effects Analysis)

Week 2

- Classical DOE Review
- Taguchi Design and Analysis Methods
- Design Validation
- Statistical Tolerancing
- TRIZ (Theory of Inventive Problem Solving)

Visit mrcpa.org/events for full course details.

Essential Course Requirements and Prerequisites

Students should be Black Belts or rigorously trained Green Belts. Engineering applications experience is helpful but not required. DFSS training is ideal for engineers, designers, interested managers, and technicians. All those who would lead or be members of a DFSS project team.**All students will need laptop computers with Minitab software.

Instructor | Robert Tripp | Six Sigma Consultant, Certified Master Black Belt

With over 20 years of focus in the quality management arena, Rob's breadth and depth of experience combine to enable significant business results in each of his client engagements. He is part of the "original DNA" of Six Sigma, trained and certified as a Six Sigma Black Belt in AlliedSignal's first wave in 1995. By 1998 he acquired his Master Black Belt certification, at which time he began his consulting career. Since then, he has trained, mentored, and certified thousands of Green Belts, Black Belts and Master Black Belts in dozens of companies across several industries around the world.

More information available at mrcpa.org/events or contact Nicole Pierce at (484) 655-4873 or nicole.pierce@mrcpa.org.