

Manufacturing Six Sigma

Green Belt Program

Six Sigma is a highly disciplined improvement methodology that helps companies produce and deliver near-perfect products. A process performing at a six-sigma level has almost zero defects and typically results in greater productivity and profits.

The International Quality Institute has developed a special “accelerated” Six Sigma Green Belt program to get manufacturing companies started on the road to continuous process improvement as rapidly as possible.

A Six Sigma “Green Belt” is a person who has demonstrated proficiency in applying the Six-Sigma strategy, along with the appropriate statistical methods and techniques, to bring about breakthrough improvements in process performance and thereby generate significant cost savings.

Program Schedule:

Date: Aug 30, 31, Sept 1, 6, 7, 8

Time: 8:00am – 4:00pm

Location: DMACC Center for Career & Professional Development at Southridge Campus (1111 E. Army Post Road, Des Moines, IA 50315)

Fee: \$2,700 – Fee includes training materials and a copy of *Reducing Process Variation*, a highly recommended book for process improvement written by the instructor, Davis Bothe.

Who Should Attend:

This program is intended for those wanting to learn how to improve the performance of a manufacturing operation. This includes quality engineers, manufacturing engineers, maintenance personnel, quality control managers, process engineers, inspectors, shop floor supervisors, quality technicians, set-up personnel, supplier quality engineers, and anyone else who is expected to participate in either product and/or process improvement.

Topics Covered in the Program:

- Defining the Problem
- Improving the Process
- Measuring the Process
- Controlling the Process
- Analyzing the Problem



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Certification

To become certified by IQI as a Six Sigma Green Belt, a student must attend all classes, actively participate in class discussions, finish all course work assignments, and successfully complete a process-improvement project. At the completion of the project, the Green-Belt candidate must write a formal, detailed report that explains the purpose of the project, details how the student successfully applied the Six-Sigma strategy and appropriate statistical techniques, and contains all supporting documentation (the exact format for this report will be discussed during the program).

Instructor Profile:

Dave has over 41 years of experience working, teaching, and consulting in the field of process improvement. His credentials include: ASQ Fellow, ASQ Certified Quality Engineer, ASQ Certified Reliability Engineer, and IQI Certified Six Sigma Master Black Belt. He holds a B.S. degree in Applied Math and Physics, and a MBA degree, both from the University of Wisconsin-Milwaukee.

He has served on ASQ's National Education Board, reviews books and software for ASQ's Quality Press, is a member of the U.S. Technical Advisory Group to the ISO Technical Committee 69 on Applications of Statistical Methods, and is on the editorial review board for the *International Journal of Six Sigma*. In addition to authoring several quality-improvement books, Dave's articles have been published in many technical journals and quality magazines. An internationally known lecturer, he is listed in *Who's Who in the World* and in the *International Who's Who in Quality*.

Davis has worked as a system analyst for NASA, a statistical engineer for General Motors (where he supervised numerous process-improvement teams), and as an Adjunct Professor of Statistics for both Eastern Michigan University and the University of Wisconsin-Milwaukee. Currently, he serves as the Director of Quality Improvement for the International Quality Institute.



For more detailed program information, visit www.workplacelean.org
or email Bonnie Slykhuis at bslykhuis@dmacc.edu