



The Center for Advanced Engineering & Research

"Six Sigma: The Basics"

1 Day Course

Friday, April 26, 2013

Course Overview -

Six Sigma is a disciplined, data driven approach and methodology designed to eliminate defects in business processes, largely by eliminating a key cause of defects: process variation. Simply put, Six Sigma is a quality metric whose aim is near perfection (where the sigma level is the measure of that quality level). This one-day seminar will provide the student with an effective overview of Six Sigma rigor, with significant focus on the key steps involved in the DMAIC (Define, Measure, Analyze, Improve & Control) process. Special emphasis will be placed on many of the key tools used by Six Sigma practitioners (Green Belts, Black Belts, Master Black Belts) in the execution of Six Sigma improvement initiatives.

Who should take this course?

This course is for any business professional, managerial or front-line, interested in gaining a better understanding of Six Sigma as a means process quality improvement and how it can be utilized effectively to drive greater organizational efficiency.

Course Objectives

By the end of this 1- Day Course students will be able to:

- Define Six Sigma, both as a methodology and measure of quality
- Understand the roles of Six Sigma practitioners (Green Belts, Black Belts, etc.)
- Use key tools associated with the DMAIC process



- Recognize the significance of effective data collection in the improvement process
- More accurately identify and define the needs and requirements of process customers
- Utilize effective risk avoidance and mitigation strategies while driving improvement

Workshop Details -

Date: Friday, April 26, 2013

Time: 8:30 A.M. - 4:30 P.M.

Seminar Fee: \$ - Per Person. The fee includes light refreshments and lunch.

Registration: Space is limited and pre-registration is required. Click [here](#) to download registration paperwork. Please relay any registration paperwork and questions to [Heather Baum](#), Administrative Coordinator.

Registration Deadline: April 19, 2013

Continuing Education: 8 Professional Development Hours awarded upon completion.

Note: *Virginia has recently instituted continuing education requirements for Professional Engineers. Engineers who renew or reinstate their licenses after March 31, 2010 will be required to meet the new PDH requirements. The law provides that PEs must complete 16 PDH in the two years immediately preceding their license renewal.*

Workshop Location: The Center for Advanced Engineering & Research - Classrooms 216 A&B. Our physical address is: 1173 Research Way, Forest, VA 24551. Click [here](#) for driving directions to the CAER.

About our Instructor- **Phil Hamlett**

[Phil Hamlett](#) is currently employed as an Information Technology Project Manager with the Babcock & Wilcox company in Lynchburg, Virginia. With over 22 years of professional experience, Phil has held numerous roles in information technology, project & formal management and process improvement. In his

early career he worked as an application developer, performing development work on numerous technology platforms including client-server, mid-range, web and telephony. Recent roles include: Six Sigma Black Belt for General Electric and manager for an operations intelligence team in a Genworth Financial domestic call center. He has served as adjunct faculty in IT and Project Management at Central Virginia Community College for the last 14 years. He is a Project Management Professional (PMP) and possesses a BS degree in Management Science from Virginia Tech and a Masters in Administration from Lynchburg College.

To learn more about Phil, click [here](#).

For additional information please contact:

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