



Six Sigma Green Belt Certification



**MIDDLE
TENNESSEE**
STATE UNIVERSITY

Division of Continuing Studies and Public Service
and
Tennessee Six Sigma Consortium

Six Sigma Green Belt

Middle Tennessee State University's Division of Continuing Studies and Public Service, in conjunction with the Tennessee Six Sigma Consortium, is offering a program leading to certification as a Six Sigma Green Belt for those interested in improving their manufacturing, service, or other business operations. The course will include classroom training on the Six Sigma methodology coupled with an approved industry Green Belt project.

This certification is directed toward project/engineering managers, business managers, production managers, engineering personnel, and others that affect company operations. The course consists of six full-day training sessions. Classes will be conducted on the MTSU campus on Saturdays: October 9 and 23, November 6 and 20, and December 4 and 11.

During this course, you will be required to identify, define, and formally present a Green Belt project. Upon successful mastery of the Green Belt course material, as demonstrated by the Green Belt exam, the student will be certified as a Yellow Belt in Six Sigma. The project must be completed within one year in order to receive Green Belt Certification.

Instructors have in-depth industry experience in training and implementation of Six Sigma at the Black Belt level and will advise you in designing and implementing the required project.

Through class instruction, simulations, and hands-on exercises, you will examine how to

- Identify and focus on customers' Critical-to-Quality (CTQ) characteristics
- Solve problems using the Define, Measure, Analyze, Improve, and Control (DMAIC) process and its associated tools
- Focus on defect reduction to increase bottom-line performance
- Use the Six Sigma metric
- Recognize and understand the terms associated with Six Sigma
- Use proper Six Sigma tools to eliminate defects within the process
- Analyze baseline data to determine the sigma measure of the process
- Develop different level of controls for processes to reduce defects
- Relate Lean Manufacturing to Six Sigma
- Determine the Cost of Poor Quality (COPQ) in organizations
- Perform Design of Experiments to correlate changes in input variables (Xs) to outputs (Ys)
- Implement these and other techniques in a logical, step-by-step manner as prescribed by the Six Sigma methodology and management philosophy

About the Instructors

Steve Doerman, P.E.

Director, Operational Excellence, Metalworking Products Co.

Doerman designed and implemented initiatives combining the concepts of Six Sigma and Lean Manufacturing to drive top- and bottom-line business results at seven domestic and two European facilities. Trained in Six Sigma Black Belt by GE, he is a past director of manufacturing with 23 years experience. He has implemented diverse programs resolving complex problems and has built highly effective work teams with the proven ability to design and employ strategies to improve profitability while effectively responding to customer needs. He is an adjunct instructor at MTSU in the Jennings A. Jones College of Business and the Engineering Technology and Industrial Studies department. He received his B.S.M.E. degree from Ohio State University and his M.B.A. from the University of Dayton and completed doctoral coursework in management science at Clemson University.

Joey Lanius

Engineering Manager, Sanford North America

Lanius started his career in the automotive industry with Peterbilt Motors Company as a manufacturing engineer. At Peterbilt, he was trained in Six Sigma by Sigma Breakthrough Technologies to address projects relating to manufacturing processes and warranty claims. Later in his career, he worked with Noranda and was trained as a Six Sigma Black Belt through the Six Sigma Academy. After receiving his Black Belt Certification at Noranda, Lanius trained employees on Six Sigma and Lean Manufacturing at five U.S. and Canadian facilities. Currently, Lanius is an engineering manager with Sanford North America and is responsible for manufacturing engineering and packaging engineering and implementing Lean Manufacturing. His experience includes training Six Sigma teams in multiple facilities and environments, conducting baseline assessments of manufacturing operations to lead to Six Sigma opportunities, and linking Six Sigma to organizational goals through enterprise mapping. His work has resulted in over \$4.6 million in documented yearly savings from Six Sigma projects. He holds an undergraduate degree from the College of Engineering at Tennessee Tech and an M.B.A. from Western Kentucky University.

Six Sigma www.mtsu.edu/sixsigma

Course # PD04F-3011

Dates: Saturdays

October 9 and 23
November 6 and 20
December 4 and 11

Time: 8:00 a.m.–5:00 p.m.

Location:

Business and Aerospace Building, S272
Middle Tennessee State University

Cost: \$3,500

CEUs: 4.8

Participants must attend 90% of the class meetings.

Registration

Online: www.mtsu.edu/~learn/noncredit/profdev2.htm

Mail: Complete the registration form and enclose payment.

Fax: Fax completed form and payment information to (615) 896-7925.

Phone: Call (615) 898-2462 to register using Visa or MasterCard.

In Person: Register at our MTSU office between 8:00 a.m. and 4:30 p.m., Monday–Friday. Our office is located at 820 Fairview Avenue, Murfreesboro, Tennessee.

Special Accommodations:

Contact (615) 898-2462.

Course Changes: MTSU reserves the right to cancel or make changes to this course. Registrants will be notified immediately of any changes. Refunds will be given for cancellations or if course changes prevent participation.

MTSU, a Tennessee Board of Regents university, is an equal opportunity, non-racially identifiable, educational institution that does not discriminate against individuals with disabilities. CS034-0804

MTSU Continuing Studies and Public Service SIX SIGMA GREEN BELT CERTIFICATION COURSE Registration Form	Make check payable to MTSU Mail to: Continuing Studies and Public Service, MTSU, P.O. Box X109, 1301 E. Main St., Murfreesboro, TN 37132 Phone: 615-898-2462 Fax: 615-896-7925	Space Below For University Use
	Social Security # _____ <input type="checkbox"/> U.S. Citizen <input type="checkbox"/> Female <input type="checkbox"/> Male <input type="checkbox"/> Caucasian <input type="checkbox"/> American Indian <input type="checkbox"/> Asian <input type="checkbox"/> Spanish <input type="checkbox"/> Black <input type="checkbox"/> International	Receipt No. _____ Date _____ Amount Rec. _____ <input type="checkbox"/> Check <input type="checkbox"/> Cash <input type="checkbox"/> Other
Company Name _____ Name _____ Last _____ First _____ Middle _____ Address (street) _____ City _____ State _____ Zip Code _____ Home Phone _____ Work Phone _____ E-mail _____ Fax _____	<input type="checkbox"/> MasterCard <input type="checkbox"/> Visa Card No. _____ Exp. _____	
Course # PD04F-3011 Cost per person \$3500		