LEAN SIX SIGMA
Training and Certification

WWW.KENT.EDU/LEANSIXSIGMA
Improve processes.
Ensure prosperity for the future.

Survey results show that an organization sponsoring a Kent State Black Belt trainee will see an estimated 37-to-1 return on the training investment with the first project alone.

Sharpened processes, greater efficiency and cost savings are just a few of the advantages that will make your organization more competitive when you implement Lean and Six Sigma continual improvement principles.

Lean tools and techniques eliminate wasteful process activities, and Six Sigma is a disciplined method for meeting customers’ expectations and eliminating defects in any process.

Investing in Lean Six Sigma training and certification is the beginning of a new way of doing business. It especially makes sense in today’s economy. A commitment to implementing these methodologies and tools creates a culture of operational excellence. In the end, you will achieve bottom-line results from the projects your Green and Black Belts undertake, and your organization will become more efficient and customer-focused.

I have been through different Lean Six Sigma trainings during my Undergrad and Master’s degree programs, and Green Belt certification training with my previous employer. The difference with the Kent State University Lean Six Sigma Black Belt program is the experienced instructors, the talented classmates and the awesome service. Also, you learn how to use Companion by Minitab, which is the software specifically tailored for Lean Six Sigma projects. I highly recommend Kent State’s Lean Six Sigma Black Belt. — Miguel Duran-Castillo, CCL Label

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Kent State offers the unique approach of weaving Lean, Six Sigma, Team-Oriented Problem Solving (TOPS) and Theory of Constraints (TOC) methods into a seamless certification that can help you achieve substantial improvements in your organization.

Several organizations have expanded their program and sent additional candidates for training and certification based on their participants’ outstanding reviews of the depth and breadth of knowledge of the Kent State University Lean Six Sigma facilitators.

After the training program, Lean Six Sigma facilitators are available to assist you in successful implementation of Lean Six Sigma principles in your work environment. Kent State also offers other Lean and Six Sigma consulting and project coaching services, as well as on-site training.

Kent State's Lean Six Sigma curriculum uses practical case studies and is structured to provide a high-quality, interactive classroom experience while allowing maximum flexibility in obtaining your certification.

The Black Belt training and certification is held one week each month for four months (160 contact hours, 16 CEUs), and a project is required for certification. The Green Belt and Master Black Belt training and certifications are held two weeks over two months (80 contact hours). For Green Belt certification, project completion is also required.

Key candidates for Kent State’s Lean Six Sigma training and certification programs are:

- Quality technicians, supervisors and managers
- Plant managers
- Directors and managers of engineering
- Vice presidents or managers of customer service
- Operations managers
- Vice presidents of manufacturing
- Directors and managers of patient services
- Patient quality managers
- CFOs
- Presidents
- CEOs

Organizations in the manufacturing, healthcare and service-based industries, as well as in higher education, will reap significant benefits from employees attending these programs.

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"Presented me with another cycle of learning that caused me to think of how to apply/teach Lean Six Sigma."

— Brian Krieg, Genesis HealthCare System
ENROLL NOW.
Kent State Lean Six Sigma Training and Certification

Programs are offered at the following locations and times:
ALL WEEKS OF TRAINING ARE HELD MONDAY THROUGH FRIDAY FROM 8:30 A.M. TO 5 P.M.

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<th>LEAN SIX SIGMA BLACK BELT</th>
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<tbody>
<tr>
<td>FACILITATOR: STEPHEN SKILLMAN</td>
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<td>FACILITATORS: ROBERT SKILLMAN AND STEPHEN SKILLMAN</td>
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Invest now in your organization’s future growth and prosperity.

Web: www.kent.edu/leansixsigma
Email: LeanSixSigma@kent.edu
Phone: North Canton: 330-244-3508
Independence: 330-672-5802

WEEK ONE
- Project identification; team building
- Introduction to Lean thinking; process capability
- Six Sigma methods and quality
- Basic Minitab measurement system analysis
- Six Sigma helicopter simulation

WEEK TWO
- Participant project reviews; Lean tools
- Hypothesis testing; comparative analysis
- Tests for data stability and normality
- Theory of Constraints
- Catapult simulation

WEEK THREE
- Participant project reviews
- Advanced Lean methods
- Regression and correlation
- Quick changeovers (SMED); Airplane simulation

WEEK FOUR
- Participant project reviews; team dynamics
- Advanced statistical tools; design of experiments
- Putting it all together to achieve wealth and prosperity for any organization

PROJECT
Each participant of Kent State’s Lean Six Sigma Training and Certification is required to complete a project using the methods learned. This will contribute significant results to the sponsoring organization.

INVESTMENT
Black Belt Training and Certification: $6,950
Master Black Belt Training and Certification: $4,975
Green Belt Training and Certification: $3,750
These prices include breakfast and lunch each day of training. The Black Belt and Green Belt program prices also include two reference books. All participants receive an electronic copy of the participant materials. After the required capstone project is submitted and approved, participants will receive an engraved plaque. Those who earn a Black Belt or Master Black Belt receive the Kent State University Lean Six Sigma polo shirt and are entitled to use the designation “Certified Black Belt” or “Master Black Belt” as a professional credential. Lodging accommodations are not included.

LAPTOP and SOFTWARE
So that participants can maximize the benefit of attending Lean Six Sigma training and to realize a return on investment for future Lean Six Sigma projects, Kent State requires that each participant bring a laptop loaded with current versions of Minitab and Companion by Minitab to each day of training. Kent State will provide information to purchase through Minitab.
BOB SKILLMAN

Kent State training and certification facilitator Robert Skillman is a Six Sigma Master Black Belt and a Lean Master Sensei who has been training and certifying Black Belts in Six Sigma and Lean methods since 1997. Skillman received his Lean Master certification from the Shingijutsu Limited Group, the founders of the Toyota Production System. Skillman is an engineer with 35 years of experience. He is also a certified quality engineer, certified quality auditor and is RAB-certified. His background includes extensive experience in automotive, aerospace, nuclear and service industries. Skillman has held quality, Master Black Belt, metallurgical engineering, corporate director and vice president positions with TRW, RB&W, Cleveland Container and SPS Technologies. Skillman facilitates Kent State’s public offerings of the Lean Six Sigma certifications, as well as many of the contracted Lean Six Sigma training and certifications.

JOHN NOVAK

John Novak, CQA, is an industrial engineer and Lean Six Sigma Master Black Belt who has provided consultation and training to improve work flow and methods for clients. He has experience as a software developer and in internal auditing. Novak received his bachelor’s degree in industrial technology from Bowling Green State University and his MBA degree from Kent State University. He has worked with many organizations, including TechniGraphics Inc., M.K. Morse, Elyria Foundry, University Hospitals and W.W. Grainger. Novak facilitates Kent State’s public and contract offerings of the Lean Six Sigma training programs.

STEPHEN SKILLMAN

Stephen Skillman is a Lean Six Sigma Master Black Belt, serving as a facilitator for Kent State University, training Lean Six Sigma Black Belts. Skillman received his bachelor’s degree in business administration from Lake Erie College. He has worked in the automotive, government ballistics and electrical insulation industries. Skillman has held production scheduler, purchasing manager, shipping manager and quality and continuous improvement manager positions with Nescor Plastics and Iten Industries.

“Lean Six Sigma training “on steroids” to fuel advanced breakthrough...”
— Rodney Smith, Curtiss-Wright
Sponsoring Organizations
of Kent State’s Lean Six Sigma Training and Certification Participants

A. Schulman Inc.
Adhesives Research Inc.
Akron Rubber Development Laboratories
Allied Machine & Engineering Corp.
Ambaflex Manufacturing Inc.
AMKO
American Axle & Manufacturing
AMRESCO
Anchor Fastener
Ansell Occupational Health Care
Applied Industrial Technology
A.R.E.
Army Fleet Support
Aultman Health Foundation
Automated Packaging Systems
Beckett Air
Cable Manufacturing & Assembly
CCL Industries
Charter Steel
City of Cleveland
Cleveland Clinic
Coastal Pet Products
Cobra Plastics
Coca-Cola
Coleman Data Solutions
Colfor Manufacturing Inc.
Colgate-Palmolive
Combi Packaging Systems LLC
Consumers National Bank
County of Ventura, California
Crane Aerospace and Electronics
CSA Group
Curtiss-Wright
Delta Systems Inc.
Diebold Inc.
Direct Energy
Dover Chemical
Elster Perfection
Elyria Foundry
Ericson Manufacturing
Evergreen Packaging
FedEx Custom Critical
Gabriel Performance Products
Genesis Healthcare System
GOJO
Gradall
Grand River Rubber & Plastics
Grand Rock
Gref Inc.
Harley-Davidson Motor Company
Hendrickson International
Hess Print Solutions
Hill’s Pet Nutrition Inc.
Jamestown Container
Jergens
JLG Industries
Joy Mining Machinery
JP Morgan Chase
Kenan Advantage Group
Kennametal
Kent State University
KeyBank
Kimble Manufacturing Company
Lake Health
Lauren Manufacturing
LG Fuel Cell Systems
Marsh Industries
Materion Corp.
Medical Mutual of Ohio
Metallucis Inc.
Meteor Sealing Systems
Miba Bearings
Midlake Products
Morgan Advanced Materials
Morton Salt Inc.
MTD Products, Inc.
Neway Stamping
Nova Machine Products
Ohio Metallurgical
Parker Hannifin Corp.
ParkOhio Inc.
PCC Airfoils
Pentair Water
Pomerene Hospital
Praxair Inc.
Process Technology
Progressive Foam Products
Quaker Manufacturing Corp.
Quality Synthetic Rubber, Inc.
Rea & Associates Inc.
Real Alloy
Republic Steel
Riverside Spline and Gear
R.W. Beckett Corporation
Saint-Gobain Crystals
Saint Vincent Health System
Samuel Steel Pickling
SFS Intl
Shearer’s Snacks
ShurTech Brands
Smithers-Oasis
Snyder Manufacturing Inc.
Socket Systems
SOPREMA
Summa Health
Swagelok
TechniGraphics Inc.
Tekfor USA
The Goodyear Tire and Rubber Company
The M. K. Morse Company
The Stepz Company LLC
TRW Automotive
TSG Resources, Inc.
Tusco Display
U.S. Cotton LLC
U.S. Endoscopy
Unifrax Ohio
Union Hospital
University Hospitals Health System
UTC Aerospace Systems
ValleFastener
Vallourec Star
Venture Plastics
Victory Capital Management
Viking Forge
Vita-Mix Management
Walnut Creek Foods
Waltco Lift Corp.
Warren Screw Machine
Washington Penn Plastic Co. Inc.
Wayne Dalton
Western Reserve Area Agency on Aging
Williams Companies Inc.
Wrayco Industries
Zimmer Surgical
Zircoa, Inc.