



Lean Six Sigma Green Belt

Portland, Oregon: February 12 – April 24, 2018

If your organization wants to dramatically reduce scrap, rework, defects, delays, and other forms of waste we can help!

ETI Group, in collaboration with Oregon Bioscience Association is presenting another of their highly-acclaimed Lean Six Sigma Green Belt training programs commencing on February 12, 2018.

This comprehensive program will take 10-days to complete. To minimize the impact on your time, the program will be presented in five, two-day duration training sessions spread over a ten week time frame.

The total cost for this program is \$2,750 per person, a discount of \$500 from the regular cost for this training. This includes all necessary workbooks and templates.

Detailed information regarding this Lean Six Sigma Green Belt program is provided on the pages that follow.



**Education
Training
Guidance
Support**



Recent Clients Include:

Barco Medical Imaging
Basic American Foods
Bemis Company
Boise Cascade
Cascade Microtech Inc.
Coinstar
Department of the Navy
DHL Express
Doctors of Clackamas
Ekos Corporation
Electro-Scientific Industries
Expedia.com
FEI Company
GM Nameplate
Hewlett Packard
Hexcel Corporation
Industrial Distribution
Intermec Technologies
Jeld- Wen Inc.
Kaiser Permanente
Medtronics Physio Control
Microscan Systems, Inc.
Mikron Industries
OHSU
On-Semiconductor
PRECOR
Primus International RadiSys
Corporation Saint Gobain
Siltronic Corporation
Starbucks
SW Medical
Takata Corporation
Toray Composites America
United Defense
Wells Fargo Bank
Western RV



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Green Belt Training Program Overview

In in this 10-day Lean Six Sigma Green Belt program you will learn to apply the Lean Six Sigma DMAIC (**D**efine-**M**easure-**A**nalyze-**I**mprove-**C**ontrol) improvement strategy. The tools and methods are introduced with hands-on exercises and tutorials to ensure rapid learning and knowledge retention. There is a strong emphasis on individual hands-on exercises and team-based activities. Classroom training sessions are interspersed with periods of work on a company-supported improvement project. On completion of this program you will be able to:

- Deliver a financial return to your organization by completing a Lean Six Sigma Green Belt improvement project
- Apply benefit-feasibility analysis to identify improvement projects aligned with your organization's priorities for quality, delivery, customer satisfaction, and profitability.
- Successfully apply appropriate Lean Six Sigma Green Belt tools to future projects
- Perform statistical analyses using MS Excel.
- Develop, evaluate, and implement improvements that can dramatically reduce scrap, rework, complexity, defects, delays, and other forms of waste in your operational processes.
- Translate Six Sigma analyses into recommendations for improving your work place processes
- Apply statistical and/or non-statistical control tools to sustain the gains from project improvements

**A Lean Six Sigma Green Belt Training Program
Schedule and Outline is provided on the following pages**



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Date	Module	Module Description
Feb. 12, 2018	Overview	Lean overview, Six Sigma overview, combining lean and Six Sigma, relation to other initiatives, deployment, overview of DMAIC project roadmap, DMAIC case studies, DMAIC project reporting.
Feb. 13, 2018	Define Phase	Identifying potential improvement projects, prioritizing potential improvement projects, developing a project charter, establishing boundaries for the in-scope process or workflow (part of SIPOC analysis).
Feb 26, 2018	Measure Phase	Mapping the current-state, observing the current-state, identifying opportunities for improvement, types of data, Y and X variables, process sampling, sample size calculation, data formatting, data collection, current-state project metrics for continuous and nominal Y variables, Pareto analysis of defect types, Value-stream data collection and analysis, calculating mean time between failure using life data, measurement systems.
Feb. 27, 2018		
Mar. 12, 2018		
Mar. 13, 2018	Analyze Phase	Hypothesis testing, comparison and correlation hypotheses with continuous and nominal Y variables, P values, stratification and before-after analysis with continuous and nominal Y variables, Five Whys, affinity analysis, prioritizing root causes.
Apr. 9, 2018		
Apr. 10, 2018	Improve Phase	Identifying potential solutions, ranking solutions, team process, ranking solutions—DOE method, evaluating the future state with Failure Modes and Effects Analysis), piloting the future state.
Apr. 23, 2018		
Apr. 24, 2018	Control	Standardizing and documenting, concepts of statistical monitoring, response plans, control plans, calculating control limits for the control plan, calculating control limits based on short-term variation.



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Recent ETI Group Client Successes Lean Six Sigma Projects Completed

Manufacturing

- A Semiconductor Manufacturer reduced failure rates by 50% with an annual cost saving of 3,600,000.
- A Plastic Molding company saved \$700,000 per year by solving a problem of parts failing final inspection for cosmetic damage.
- A Plastic Extrusion Company saved 2,200,000 per year by solving a die manufacturing process and reducing cosmetic damage.

Service

- A city government improved its court collections process, resulting in a \$400,000 increase in annual revenue.
- A city government improved its petitioner-initiated annexation process and eliminated errors that could invalidate an election and cost per case was reduced by \$954.
- Average purchasing cycle time was reduced from 38 days to 5 days, and the problem of invoices without purchase orders was virtually eliminated.

Healthcare

- Major causes of “ED on divert” were identified and a “divert mitigation action plan” developed. Results: Daily hours of ED divert were reduced from 6 to 0.6, with an annual revenue increase of \$2,900,000.
- The average time from point of patient care to posting of patient charges were reduced from 5 days to 1 day. Daily charges for this organization are about \$1,000,000.
- Causes of wasted medication in a hospital pharmacy were identified and an improved process implemented. Reducing costs by 92%, with an annual savings of \$1,100,000.

What our clients say

"The whole Lean Six-Sigma training experience has been very motivational and productive for our company. All I hear are positive comments and genuine excitement. I am glad and thankful we had the opportunity to participate in this program.

Congratulations for a well done job."

Adolfo De la Torre,
Pulse Engineering.

"I appreciated the practical applications and the hands-on opportunities of this class. My project included enhancing the wave solder process. We increased our capacity by 100%."

Neil Schneider,
Vanguard-ems, Inc.

"The program content was great. I learned many great tools for analyzing data quickly and making better, more informed decisions. This has been a great course!"

Ken Fisher,
Pathway Medical

"This training program exceeded my expectations. It provided us with information and tools of great value. The instructor was very knowledgeable and explained things in a way that everyone could understand. He also responded to requests for assistance in a prompt and positive manner."

Phillip Patterson,
Compass Aerospace

The real world examples helped me understand the concepts and methods. The Excel templates made it easy to apply what we learned without having to worry about the mechanics. It was very helpful to work on projects specific to our own business during, between and after the class sessions. **Peter Harvey,**
NW Cancer Specialists

What our clients say



"ETI Group's Lean Six Sigma training is the best combination of theory and applied solutions that I have seen. The learning format was easy to follow and the instructors out-standing."

Anders Ohlsson, Boise Cascade

"This program provided extremely valuable tools and a new perspective for enhancement and improvement in healthcare. The opportunity to apply the concepts and methods directly to a project was a great benefit."

Mary Spiering, OHSU

"The Lean Six Sigma program exceeded my expectations. Projects completed during the program will more than recover the cost of your services and time away from the work-place. I thought that we were too small to recoup much of a reward, I was wrong."

Larry Remmer, Accel Plastics

"This is the best instructor I've ever had. His energy level, teaching style and analogies" made the class enjoyable and informative. I learned more than I thought possible."

**Sheree Willey,
Barco Medical Imaging**

"The value of this training was very high. I'm very happy with the results and would give this program a rating of 10 out of 10!"

**Bob Siamro,
Electro Scientific Industries**

"Key Six Sigma skills that usually take days to grasp are easily understood and applied within the first four hours of this course. Why wait when you can learn lean Six Sigma and use the tools immediately to create breakthrough improvements? I highly recommend this organization."

**J. Randy Armatas,
Evanite Corporation**

Training Program Lead Instructor

Joan Ambrose has 20 years of experience in

Operational Excellence, specializing in Lean Six Sigma training, coaching and consulting. She has also taught numerous corporate courses in SPC, Root Cause Analysis and Quality Function Deployment. Her Lean Six Sigma clients include General Electric and Kraft Foods. Joan holds a B. S. Industrial Engineering, a Master of Engineering and is a certified Six Sigma Black Belt.

Green Belt Certification

Participants who complete the Green Belt training and pass the Green Belt Exam will be awarded a Green Belt Certification of Completion. On completion of one improvement project for their company they will be awarded a Certified Green Belt certificate. Details of the improvement project must be approved by the instructor prior to the award.

Course Duration

This course will take 10-days to complete. Training sessions are delivered in five, 2-day sessions over a ten-week time frame.

Course Prerequisites

Green Belt trainees should be assigned a Lean Six Sigma improvement project to work on during and between training sessions. The instructor will be available to assist with improvement project selection and to consult on challenges presented by this project during and between training sessions.

Training Course Venue

This program will be presented at the Portland State Business Accelerator, 2828 SW Corbett Ave, Portland, OR 97201. Classes start at 8:30am and conclude at 5:00pm each training day.

Training Course Fees

Because of ETI Group's collaboration with Oregon Bioscience Association this comprehensive ten-day Lean Six Sigma Green Belt program will cost \$2,750 per person (a \$500 discount from the regular cost of this training). This includes all necessary workbooks and templates.

**ETI Group: Tel: 503-484-5979 or 360-681-2188
or Email: info@etigroupusa.com**

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Who is ETI Group?

Based in the Pacific Northwest, ETI Group helps organizations get better at what they do. Our success is a reflection of our client's success and our in-depth knowledge and experience the tools and methods of Organizational Excellence.

To date ETI Group has:

- Helped more than 1,000 organizations improve performance,
- Trained more than 300,000 people in the tools and methods methods of quality management and performance improvement.
- Conducted more than 800 organizational assessments
- Developed and presented a series of Washington state sponsored Lean Six Sigma Green Belt and Black Belt Training Consortium Programs

ETI Group services are tailored to fit the individual needs of each client. Regardless of where you are in the improvement process, we have the skills and experience to help.



**Education
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**For more information or
to reserve your place(s) in this training program, please contact:**

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