LEAN and SIX SIGMA TRAINING

Solutions for Your Company and Your Career
YOUR QUALITY DESTINATION FOR TRAINING SOLUTIONS

READY, SET, GO!

Consider this ASQ Lean and Six Sigma training catalog as the quality GPS for you and your organization. Follow these directions and choose the best solutions to fill talent gaps and increase skills to overcome quality challenges.

Visit asq.org/leansixsigma to download an electronic version of this catalog.
Three Training Formats

CLASSROOM TRAINING
Attend a scheduled class in person and learn face-to-face. Visit asq.org/leansixsigma for cities and dates.

E-LEARNING
WEB-BASED, SELF-PACED
Learn on your own using our web-based instruction materials. Visit asq.org/leansixsigma for details.

VIRTUAL TRAINING
WEB-BASED, INSTRUCTOR-LED
Attend an interactive class in real time via your internet-enabled device. Visit asq.org/leansixsigma for dates.

Group Training
Looking to train a group of five or more? ASQ can create customized training solutions that fit your organization’s needs. Our instructors provide hands-on training through onsite courses, coaching sessions, and web-based options. Visit asq.org/training/group-training for more information.

Taught by world-class instructors who average over 25 years of quality industry experience, these ASQ training solutions accelerate your career and help your company achieve excellence through quality.

Choose the learning format that works best for your schedule or budget!
## LEAN

**ASQ/LEAN ENTERPRISE DIVISION COLLABORATION COURSES**

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Lean Principles</td>
<td>6</td>
</tr>
<tr>
<td>5S</td>
<td>6</td>
</tr>
<tr>
<td>Gemba - Going to the Source</td>
<td>6</td>
</tr>
<tr>
<td>Kaizen</td>
<td>7</td>
</tr>
<tr>
<td>Problem Solving Using A3</td>
<td>7</td>
</tr>
<tr>
<td>Value Stream Mapping</td>
<td>7</td>
</tr>
<tr>
<td>Lean Essentials</td>
<td>7</td>
</tr>
</tbody>
</table>

**OTHER LEAN COURSES**

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Changeover Reduction</td>
<td>8</td>
</tr>
<tr>
<td>Eight Wastes</td>
<td>8</td>
</tr>
<tr>
<td>Error Proofing</td>
<td>8</td>
</tr>
<tr>
<td>Flow and Pull Systems</td>
<td>9</td>
</tr>
<tr>
<td>Lean Enterprise</td>
<td>9</td>
</tr>
<tr>
<td>Lean for Service</td>
<td>9</td>
</tr>
<tr>
<td>Lean Kaizen: A Simplified Approach to Process Improvement</td>
<td>9</td>
</tr>
<tr>
<td>Leading Lean</td>
<td>10</td>
</tr>
<tr>
<td>Standard Work</td>
<td>10</td>
</tr>
<tr>
<td>Total Productive Maintenance</td>
<td>10</td>
</tr>
<tr>
<td>Toyota Kata: Improving Your Way to Success</td>
<td>10</td>
</tr>
<tr>
<td>Value Stream Mapping</td>
<td>10</td>
</tr>
<tr>
<td>Visual Management</td>
<td>12</td>
</tr>
<tr>
<td>Workplace Design and Layout</td>
<td>12</td>
</tr>
</tbody>
</table>
SIX SIGMA

ASQ PREMIER BELT COURSES

- Lean Six Sigma Green Belt ........................................... 13
- Lean Six Sigma Black Belt ............................................. 13
- Lean Six Sigma Black Belt Transition .............................. 13

ADDITIONAL COURSES

- Introduction to Six Sigma ............................................. 14
- Lean Six Sigma Yellow Belt ............................................ 14
- Lean Six Sigma Green Belt ............................................ 14
- Lean Six Sigma Black Belt ............................................. 14
- Lean Six Sigma Black Belt – Minitab Supported ................ 14
- Black Belt/Quality Engineering Statistics ....................... 15
- Design for Six Sigma (DFSS) .......................................... 15
- Design for Six Sigma – Process/Service Design ............... 15
- Design for Six Sigma – Product Design ......................... 16
- DMAIC Review Workshop ............................................ 16
- Lean Six Sigma Champion ............................................. 16
- Lean Six Sigma Executive ............................................. 16

RELATED E-LEARNING

- Correlation and Regression ........................................... 17
- Data Analysis .......................................................... 17
- Data Collection ....................................................... 17
- Hypothesis Testing .................................................... 17
- Introduction to Statistical Concepts .............................. 18
- Measurement System Analysis (MSA) ......................... 18
- Variation and Control Charts ....................................... 18
LEAN: THE WORD SAYS IT ALL

Eliminate waste. Improve efficiency. Reduce excess inventory. ASQ’s LEAN training solutions optimize your company and your bottom line.

LEAN is more than just a process. LEAN is a road sign leading to opportunities for improvement. ASQ training shows you the way.

ASQ/LEAN ENTERPRISE DIVISION COLLABORATION COURSES

The following self-paced courses are developed in collaboration with ASQ’s Lean Enterprise Division. Look for instructor-led courses coming soon!

**Introduction to Lean Principles**
Gain an understanding of the benefits that lean management can bring to your organization. Learn the fundamentals of lean methodology, define the core principles, and explain the concept of waste.

CEUs/RUs: 0.05  |  Length: 0.5 Hours

**5S**
Learn the purpose and benefits of the 5S methodology and how to use it to organize your workplace to create a clean, safe, orderly, high-performance work environment that promotes efficiency.

CEUs/RUs: 0.05  |  Length: 0.5 Hours

**Gemba - Going to the Source**
Learn about the purpose and benefits of going to gemba and explore how to analyze gemba in different situations. Discover strategies for successful use of gemba in a lean organization.

CEUs/RUs: 0.05  |  Length: 0.5 Hours

Save with early bird pricing. Visit [asq.org/leansixsigma](http://asq.org/leansixsigma) for links to the most up-to-date course listings, dates, locations, and pricing.
Kaizen
Explore the fundamentals of kaizen including its purpose and relationship to lean. Understand and explain the benefits of kaizen improvements and describe the phases of a kaizen event.

CEUs/RUs: 0.05  |  Length: 0.5 Hours

Problem Solving Using A3
Support improvement initiatives with the A3 approach to problem solving—a valuable component of an organization’s lean tool set. Explore strategies for successful use of A3 to apply to improvement initiatives within an organization.

CEUs/RUs: 0.05  |  Length: 0.5 Hours

Value Stream Mapping
Gain knowledge of the fundamentals of value stream mapping and walk through the basics on how to create a current state and a future state value stream map.

CEUs/RUs: 0.05  |  Length: 0.5 Hours

Lean Essentials
Get all these courses in one bundle and save!
Embrace lean and become more competitive in today’s global economy. Learn to improve efficiency, increase productivity, and empower workers using lean tools. Discover key lean principles and explore how lean tools like kaizen, 5S, value stream mapping, A3, and gemba can inspire a lean mindset, reduce waste, and create value for customers.

CEUs/RUs: 0.30  |  Length: 3 Hours
OTHER LEAN COURSES

**Changeover Reduction**
Learn how changeover reduction enables lean waste reduction and get a step-by-step guide to implement a successful program in your organization.

CEUs/RUs: 0.08  |  Length: 0.83 Hours

**Eight Wastes**
Learn how to identify waste in manufacturing and office environments and gain a competitive advantage.

CEUs/RUs: 0.04  |  Length: 0.42 Hours

**Error Proofing**
Not only will you learn how to “error proof” your operations, you will improve quality, and reduce failures and omissions.

CEUs/RUs: 0.03  |  Length: 0.33 Hours

---

Add value to your training with ASQ membership!

You’ve committed to a career in quality. You may even lead a quality team and want to improve its overall effectiveness. The pathway is yours, with ASQ’s Lean and Six Sigma training offering many avenues to success. But there are even more. Become an ASQ member to expand your network, increase opportunities for your company and team, and rise to new heights of quality success.

Visit [asq.org/membership](http://asq.org/membership) to join or renew.
Flow and Pull Systems
Learn how to create an effective flow of information and materials, and apply it in a manufacturing or office environment.

CEUs/RUs: 0.07  |  Length: 0.67 Hours

Lean Enterprise
Help your company remain competitive, innovative, and profitable as you develop a plan to implement lean across your organization. Employees at every level can apply these strategies to minimize waste and maximize value for customers.

CEUs/RUs: 1.40  |  Length: 14 Hours

Lean for Service
Want to reduce waste and streamline operations? Get tools to meet the demand for higher quality, faster production time, and lower prices. Understand how to apply lean to the special challenges of the service industry.

Classroom
CEUs/RUs: 1.20  |  Length: 12 Hours

Virtual Training
CEUs/RUs: 1.20  |  Length: 12 Hours

Lean Kaizen: A Simplified Approach to Process Improvement
Lean eliminates waste while kaizen focuses on continuous improvement, allowing you to maximize your organization’s operational efficiencies.

Classroom
CEUs/RUs: 0.80  |  Length: 8 Hours

Virtual Training
CEUs/RUs: 0.80  |  Length: 8 Hours
**Leading Lean**
Drive lean implementation and learn how to lead a team to eliminate wasteful practices, streamline work, shorten lead times, and increase customer value and employee engagement to improve customer and employee satisfaction.

CEUs/RUs: 1.50  |  Length: 15 Hours

**Standard Work**
Defining standard work from a lean perspective, you will be able to implement the concepts to improve both office and manufacturing processes.

CEUs/RUs: 0.03  |  Length: 0.33 Hours

**Total Productive Maintenance**
Total productive maintenance helps workers efficiently care for the equipment and machines they use, helping to reduce costs and free up space tied to spare parts inventory.

CEUs/RUs: 0.04  |  Length: 0.42 Hours

**Toyota Kata: Improving Your Way to Success**
Toyota Kata channels and utilizes the capabilities of all its team members, allowing nontraditional, outstanding results. Learn the framework for a sustainable problem-solving culture.

CEUs/RUs: 0.70  |  Length: 7 Hours

**Value Stream Mapping**
Understand the fundamentals of value stream mapping (VSM) through lecture, discussion, and a case study. Learn how to prepare for a VSM event and walk through the steps of creating the process family, drawing a current state map, developing a future state map, and writing a plan to get there.

CEUs/RUs: 0.80  |  Length: 8 Hours

Save with early bird pricing. Visit [asq.org/leansixsigma](http://asq.org/leansixsigma) for links to the most up-to-date course listings, dates, locations, and pricing.
Sharpen My Skills

Look to ASQ for superior professional development through these skill-building resources and more:

**ASQTV | [videos.asq.org/home]**
Quality on demand. Nine topic channels to choose from and hundreds of compelling video presentations at your disposal from world-renowned quality subject matter experts.

**WEBCASTS | [videos.asq.org/product-category/channel/webcasts]**
ASQ’s comprehensive library of quality webcasts features authors, editors, and other subject matter experts to enhance your knowledge on a variety of quality topics.

**MYASQ | [my.asq.org]**
For ASQ members, myASQ is a centralized, online community to make connections that can help you share solutions and succeed.

**DIVISIONS | [asq.org/communities-networking/topic-industry]**
Connect with groups of professionals with similar areas of interest in quality. Look to them for networking, best practices, and support. Of special interest:
- Lean Enterprise Division
- Six Sigma
- Audit Division
- Quality Management Division

**ASQ Events | [asq.org/events]**
Experience the energy and excitement of ASQ events to enhance your professional development including the Lean and Six Sigma Conference, World Conference on Quality and Improvement, and the Quality 4.0 Summit. Expand your network and discover opportunities for in-depth conversations with attendees from a variety of industries.
Visual Management
Understand how to create a visual workplace, get examples, and learn the three characteristics of visual management.
CEUs/RUs: 0.03 | Length: 0.33 Hours

Workplace Design and Layout
Create a well-designed workplace that eliminates waste and optimizes material, people, and information flow. Learn business benefits and how to implement in office and manufacturing environments.
CEUs/RUs: 0.03 | Length: 0.33 Hours

Increase Your Salary Potential with Six Sigma Training

<table>
<thead>
<tr>
<th>Salary Range</th>
<th>U.S. Respondents</th>
<th>Canadian Respondents</th>
</tr>
</thead>
<tbody>
<tr>
<td>$120,000</td>
<td>87,537</td>
<td>74,765</td>
</tr>
<tr>
<td>$100,000</td>
<td>104,742</td>
<td>79,962</td>
</tr>
<tr>
<td>$80,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$60,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$40,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$20,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hasn’t completed any Six Sigma training
Has completed one or more Six Sigma training programs

Includes results for: x Full-time employees and consultants, x Part-time employees and consultants, x U.S. employees, x Canadian employees (Canadian dollars)
Source: Quality Progress, December 2019 Salary Survey
SIX SIGMA: PROFITABILITY THROUGH PROCESS IMPROVEMENT

Define, Measure, Analyze, Improve, and Control. These five phases of SIX SIGMA leverage the data that tells us where we can improve. ASQ’s SIX SIGMA training focuses on learning continuous improvement techniques for you to achieve stable and predictable process results. From Yellow Belt contributor to Black Belt leader, ASQ training leads the way to overall organizational improvement.

ASQ PREMIER BELT COURSES

**Lean Six Sigma Green Belt**
Learn to define, design, and run improvement projects that save your organization real dollars and better satisfy your customers through reducing process variation. Lead Green Belt projects delivering high impact results in a short period of time.

CEUs/RUs: 6.40  |  Length: 64 Hours

**Lean Six Sigma Black Belt**
Learn the skills to save your company money, lead teams, analyze business and operation processes, and implement efficiencies—bringing undeniable value. This course offers an exceptional opportunity to sharpen your technical and leadership skills as you work across your organization to bring major projects to completion.

CEUs/RUs: 13.40  |  Length: 134 Hours

**Lean Six Sigma Black Belt Transition**
Have you attended our Green Belt training or been certified as an ASQ Green Belt and want to advance to the next level? Then this course is for you. Integrate lean principles into instructed Six Sigma DMAIC methodology within a hands-on, classroom environment. Make an organizational impact with an applied project that you work on throughout the course.

CEUs/RUs: 6.40  |  Length: 64 Hours
ADDITONAL COURSES

Introduction to Six Sigma
Gain a broad understanding of the Six Sigma improvement methodology, concepts, and language. Courses also available with Services, Healthcare and Financial Services examples.

RUs: 0.30  |  Length: 3.5 Hours

Lean Six Sigma Yellow Belt
Learn how you can contribute to Lean Six Sigma projects and deliver meaningful results. Get essential tools for process improvement and gain a broad understanding of Six Sigma and lean methodologies.

Classroom
CEUs/RUs: 1.50  |  Length: 15 Hours

E-Learning
Courses also available with Services, Healthcare, and Financial Services examples.

RUs: 2.70  |  Length: 27 Hours

Lean Six Sigma Green Belt
Courses also available with Services, Healthcare, and Financial Services examples.

RUs: 9.20  |  Length: 92 Hours

Lean Six Sigma Black Belt
Courses also available with Services, Healthcare, and Financial Services examples.

RUs: 13.60  |  Length: 136 Hours

Lean Six Sigma Black Belt – Minitab Supported
Courses also available with Services, Healthcare, and Financial Services examples.

RUs: 14.00  |  Length: 140 Hours

Save with early bird pricing. Visit asq.org/leansixsigma for links to the most up-to-date course listings, dates, locations, and pricing.
Black Belt/Quality Engineering Statistics
Get a solid foundation in the statistical tools required for success as a Six Sigma Black Belt or Quality Engineer. Ideal if you’re planning to sit for the Six Sigma Black Belt exam.
CEUs/RUs: 3.20  |  Length: 32 Hours

Design for Six Sigma (DFSS)
Lead or participate in a Design for Six Sigma (DFSS) team driving breakthrough objectives and executing on projects aligned to your corporate strategies.
CEUs/RUs: 3.25  |  Length: 32.5 Hours

Design for Six Sigma – Process/Service Design
Experience online DFSS training using the D-C-D-O-V roadmap and a simulation-based practice project.
RUs: 3.70  |  Length: 37 Hours

Secure your Lean Foundation!
Just getting started in lean? ASQ is proud to introduce Lean Foundations, our newest classroom training for getting up to speed on lean and everything it offers you and your company. This three-tiered curriculum is designed to teach newer lean practitioners how to use the lean problem-solving framework, tools and methods to address organizational challenges and improve performance. In five days of Lean Foundations you’ll take three giant steps to gain lean expertise you can immediately apply to your job.
Design for Six Sigma – Product Design
Experience online DFSS training using the D-C-D-O-V roadmap with a simulation-based practice project. This instructor-supported course covers the complete DFSS Body of Knowledge, including both product and process design.

RUs: 4.60  |  Length: 46 Hours

DMAIC Review Workshop
Boost your DMAIC skills. Set in a dynamic environment, you will work in teams through each of the DMAIC phases—first as a refresher, then again in team competition at the end of the workshop.

CEUs/RUs: 1.50  |  Length: 15 Hours

Lean Six Sigma Champion
Get the managerial and technical knowledge you need to facilitate the leadership and deployment of the Six Sigma strategy in your organization. Along with the executive team, you will be able to select projects, determine who trains as Black Belts/Green Belts, review progress, and mentor Black Belts/Green Belts for effective deployment.

CEUs/RUs: 0.60  |  Length: 6 Hours

Lean Six Sigma Executive
Understand the synergy between the latest developments in lean and Six Sigma, and the importance of resources and capability dedicated to process improvement. Develop an appreciation for the methodological rigor on which lean and Six Sigma improvements are based.

CEUs/RUs: 0.40  |  Length: 4 Hours

Save with early bird pricing. Visit asq.org/leansixsigma for links to the most up-to-date course listings, dates, locations, and pricing.
RELATED E-LEARNING

Need more team training? Have budget and scheduling challenges that keep you or your staff from attending in-person training? ASQ web-based courses are an economical and flexible alternative to classroom courses. The following courses are specially designed to round out your team’s skills, get them up to speed, fill the gaps and strengthen their confidence. Yours, too!

**Correlation and Regression**
Learn how to use correlation to identify relationships between variables. Also, use regression to predict outcomes.

CEUs/RUs: 0.03  |  Length: 0.33 Hours

**Data Analysis**
Learn the fundamentals of data analysis, including the concept of probability, normal and binomial probability distribution types, and common and special cause variation.

CEUs/RUs: 0.05  |  Length: 0.5 Hours

**Data Collection**
Gain an understanding of the critical elements that are part of an accurate and complete data collection plan. Interactive activities and knowledge checks in this course enable you to apply what you’ve learned.

CEUs/RUs: 0.05  |  Length: 0.5 Hours

**Hypothesis Testing**
Learn about common hypothesis testing concepts and terms like null hypothesis, alternative hypothesis, Type I error, Type II error, p-value, and power.

CEUs/RUs: 0.03  |  Length: 0.25 Hours
**Introduction to Statistical Concepts**

Learn the fundamental concepts needed to get started with statistics. You’ll also learn why organizations frequently use statistical process control (SPC) to ensure the quality of their products and services.

CEUs/RUs: 0.10  |  Length: 1 Hour

**Measurement System Analysis (MSA)**

Gain an understanding of common MSA terms like precision, accuracy, bias, linearity, and stability and the specific steps to take to complete a GR&R study. Review practical, real-life scenarios to see how project teams use MSA and GR&R to support process improvement initiatives.

CEUs/RUs: 0.05  |  Length: 0.5 Hours

**Variation and Control Charts**

Gain the abilities to analyze process variation, identify trends, shifts, and patterns, as well as key methods for interpreting control charts. Leave this course with the knowledge and ability to create and interpret control charts to use in your organization.

CEUs/RUs: 0.15  |  Length: 1.5 Hours

---

**Certifications**

[asq.org/cert/catalog](http://asq.org/cert/catalog)

Elevate your expertise and organization’s quality culture by encouraging ASQ certifications. Among the most popular are these related certifications:

- Six Sigma Yellow Belt (CSSYB)
- Six Sigma Black Belt (CSSBB)
- Six Sigma Green Belt (CSSGB)
- Master Black Belt (CMBB)
ASQ’s Quality Press

Build your lean and Six Sigma library with ASQ’s Quality Press, featuring hundreds of titles on the newest topics in quality. Here are just a few of our most popular titles available today.

asq.org/quality-press

Business Process Improvement
Item: H1312

Kaizen Kanban
Item: H1514

The Joy of Lean
Item: H1519

Splitting the DMAIC
Item: H1554

Process Monitoring and Improvement Handbook, 2nd Edition
Item: H1549

The Certified Six Sigma Yellow Belt Handbook
Item: H1493

The Certified Six Sigma Green Belt Handbook
Item: H1469

The Certified Six Sigma Black Belt Handbook
Item: H1494

The ASQ CCSSGB Study Guide
Item: H1528

The ASQ CCSSBB Study Guide
Item: H1536

Classroom Training
Virtual Training
E-Learning
LEAN and SIX SIGMA TRAINING

Your roadmap for:
• Learning new skills
• Advancing your career
• Increasing your earning potential

ASQ is an International Association for Continuing Education and Training (IACET) accredited training provider, which is your assurance that ASQ training products meet the highest standards in the industry. For more information, visit iacet.org.

600 N. Plankinton Ave.
Milwaukee, WI 53203-2914

Excellence Through Quality™