



# American Society for Quality (ASQ)

## Pee Dee Section 1124 Workshops

asqpeedee.org

workshops@asqpeedee.org

### Workshop Topics

5S+1 Housekeeping and Organization  
Cause and Effect  
Continuous Improvement in Education  
Continuous Improvement in Healthcare  
Continuous Improvement Using Value Stream Mapping  
Control Charts w/ Minitab/MS Excel  
Design for Lean, 6σ, and Maintenance Excellence  
Design of Experiments (DOE)  
Failure Modes & Effects Analysis  
ISO 9001  
ISO 9001 Internal Auditor  
ISO 9001 Lead Auditor  
IOS 14001  
ISO 16949  
Kaizen Facilitation  
Leading & Facilitating Change  
Lean Maintenance/Maintenance Excellence  
Lean Manufacturing  
Lean Service & Admin Processes

Lean Six Sigma Black Belt  
Lean Six Sigma Green Belt  
Lean Six Sigma Green Belt for Maintenance  
Maintenance Excellence Assessments  
Measurement System Analysis/Gage R&R  
Metrology/Science of Measurement  
Mistake Proofing/Poka Yoke  
Operating Excellence Assessments  
Overall Equipment Effectiveness (OEE)  
Production Part Approval Process (PPAP)  
Quality Management Principles  
Quality Engr/Mgr/Tech Exam Prep  
Root Cause Failure Analysis (RCFA)  
Statistical Methods w/ Minitab/Excel  
Statistical Process Control  
Total Productive Manufacturing (TPM)  
Value Stream Mapping & Management  
Voice of the Customer (VOC)

Supported by local companies, FDTC, and the SIMT, the Pee Dee Section of the ASQ is able to offer high caliber training at significantly reduced rates. Local workshops start at \$300. The Pee Dee Section meets the 2<sup>nd</sup> Tuesday of every month at a local restaurant or hotel. We encourage you to join us and enjoy a complimentary meal while listening to a technical topic presented by a local quality professional. Please refer to our website for the exact date and location. We hope to see you there!

- Workshops will typically be led by a Senior Member of ASQ certified in the field of study
- All workshops are subject to minimal enrollment and may be canceled at the sole discretion of ASQ Section 1124 and/or the workshop facilitator

### ASQ Certifications

Invest in your career and your future with an ASQ certification. Gain an advantage over your competition and increase your potential. With an ASQ certification next to your title, you demonstrate your dedication to quality. ASQ is the leading authority on certifications for quality professionals, with more than 60 years of experience. It makes sense to get certified by ASQ.

Available ASQ Certifications include the following:

Biomedical Auditor (CBA)  
Calibration Technician (CCT)  
HACCP Auditor (CHA)  
Mgr of Qual/OE (CMQ/OE)  
Quality Inspector (CQI)  
Quality Auditor (CQA)  
Quality Engineer (CQE)  
Quality Improvement Assoc. (CQIA)  
Quality Process Analyst (CQPA)  
Quality Technician (CQT)  
Reliability Engineer (CRE)  
Six Sigma Black Belt (SSBB)  
Six Sigma Green Belt (SSGB)  
Software Quality Engineer (CSQE)

“ASQ provides the opportunities for continued professional education and networking with local quality professionals. Being an ASQ Senior Member and a Certified Quality Auditor has been a benefit for career growth and development.”

Wade Dickens  
ASQ Member since 1989  
Sr. Development Engineer  
Wellman, Inc. (Florence, SC)



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## The American Society for Quality (ASQ) and the Pee Dee Section 1124

The American Society for Quality is a knowledge-based global community of quality experts. Its more than 93,000 members are dedicated to the promotion and advancement of quality tools, principles, and practices in their workplaces and in their communities. Established in 1946, ASQ supports its members by providing a wide range of resources, from certification and training to publications and conferences.



Adrienne Elberfeld  
ASQ member since 2002

### Give the patient an outstanding experience

“We began a patient-centered quality initiative and found Lean Six Sigma was a useful item in our ‘quality toolbox.’ Our department has returned three times our overhead costs back to the hospital system.”

Globally, ASQ has formed relationships with other nonprofit organizations that have comparable missions and principles. Our collaborative efforts are helping to meet the quality needs of companies, individuals, and organizations worldwide.

The Society serves as an advocate for quality. Its members have informed and advised the U.S. Congress, government agencies, state legislatures, and other groups and individuals on quality-related topics. ASQ has been involved with the Baldrige Award since its inception in 1988 and has been the sole administrator of the award since 1991.

The Pee Dee Section (Section 1124) is one of over 250 ASQ sections around the globe. Geographically, the Pee Dee Section encompasses Florence, Sumter, Myrtle Beach and the surrounding areas to the North Carolina state line. Meetings, typically with a complimentary meal and technical topic by a local quality professional, are held the second Tuesday of each month. Contact us for additional details.

<b>5S+1 Housekeeping and Organization</b>		<b>\$300</b>	<b>\$385</b>	<b>0.8</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Simultaneous reduction of space and time using the 5S's of Sort, Set in Order, Shine, Standardize, and Sustain plus Safety			
<b>Schedule</b>	1 Day -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

<b>Cause and Effect</b>		<b>\$300</b>	<b>\$385</b>	<b>0.8</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Cause and Effect Diagrams, Cause and Effect Matrices, and Cause and Effect Diagrams with the Addition of Cards (CEDAC)			
<b>Schedule</b>	1 Day -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training			

<b>Continuous Improvement in Education</b>		<b>\$1500</b>	<b>\$1925</b>	<b>3.6</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Hands-on introduction to Lean Education with emphasis on teaching excellence, classroom metrics, value stream mapping, classroom visuals, 5S+1, mistake proofing, and smart transitioning			
<b>Schedule</b>	4 ½ Days -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

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<b>Continuous Improvement in Healthcare</b>		<b>\$1500</b>	<b>\$1925</b>	<b>3.6</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Hands-on introduction to Lean Six Sigma Healthcare with emphasis on patient safety, operating excellence, healthcare metrics, value stream mapping, workplace visuals, 5S+1, mistake proofing, and smart changeover			
<b>Schedule</b>	4 ½ Days -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

<b>Continuous Improvement Using Value Stream Mapping</b>		<b>\$300</b>	<b>\$325</b>	<b>1.5</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Graph and prioritize potential continuous improvement opportunities in a way easily communicated and understood by others ... intended for manufacturing, service, and administrative processes			
<b>Schedule</b>	2 Days -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training			

<b>Control Charts with Minitab/MS Excel</b>		<b>\$1625</b>	<b>\$2050</b>	<b>3.6</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Quality Concepts, Basic Statistics, Minitab software, and eight Statistical Process Control tools with emphasis on Control Chart development and use			
<b>Schedule</b>	4 ½ Days -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

<b>Design for Lean, Six Sigma, and Maintenance Excellence</b>		<b>\$300</b>	<b>\$385</b>	<b>0.8</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Design, construct, and start up new projects and facilities with an eye toward long term operating and maintenance efficiency			
<b>Schedule</b>	1 Day -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

<b>Design of Experiments (DOE) with Minitab/MS Excel</b>		<b>\$1625</b>	<b>\$2050</b>	<b>3.6</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Quality Concepts, Descriptive Statistics, Statistical Significance, Minitab Software, and Full Factorial, 2 Level 3 Factorial, and 2 Level 4 Factor Fractional Factorial DOE's ( this workshop is intended for those with a strong statistical background; i.e., CQE, CQM, SSGB, or SSBB)			
<b>Schedule</b>	4 ½ Days -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

<b>Failure Modes and Effects Analysis (FMEA)</b>		<b>\$300</b>	<b>\$385</b>	<b>0.8</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	A hands-on workshop covering failure modes and effects analysis covering System FMEA, Design FMEA and Process FMEA			
<b>Schedule</b>	1 Day -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

**Quality is About People**  
 "ASQ has contributed immensely to my career success. Being able to share with other professionals my goal of furthering the application of quality, along with the leadership opportunities, has proved extremely valuable to creating unique and effective solutions."





# ASQ Pee Dee Section Workshops

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<b>ISO 9001:2000</b>		<b>\$300</b>	<b>\$385</b>	<b>0.8</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Understand the benefits and the major steps to develop and effectively implement an ISO 9001:2000 Quality Management System			
<b>Schedule</b>	1 Day -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

<b>ISO 9001:2000 Internal Auditor</b>		<b>\$600</b>	<b>\$750</b>	<b>1.6</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Plan and conduct ISO 9001:2000 Quality Management System audits and document results in a concise, effective audit report			
<b>Schedule</b>	2 Days -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training			

<b>ISO 14001</b>		-	-	-
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Understand the benefits and the major steps to develop and effectively implement an ISO 14001 Quality Management System			
<b>Schedule</b>	Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

<b>ISO/TS 16949:2002</b>		-	-	-
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Understand the benefits and the major steps to develop and effectively implement the automotive industry's ISO/TS 16949:2002 Quality Management System			
<b>Schedule</b>	Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

<b>Kaizen Improvement Event Facilitation</b>		<b>\$300</b>	<b>\$385</b>	<b>0.8</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Effectively scope, plan, and lead internal kaizen improvement events			
<b>Schedule</b>	1 Day -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

<b>Leading and Facilitating Change</b>		<b>\$300</b>	<b>\$385</b>	<b>0.8</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Tools to measure, leverage, and sustain your improvements across your organization			
<b>Schedule</b>	1 Day -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

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<b>Lean Maintenance/Maintenance Excellence</b>		<b>\$1625</b>	<b>\$2050</b>	<b>3.6</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Hands-on introduction to Lean Maintenance and the concept of Maintenance Excellence with emphasis on work planning, condition based monitoring, failure mode analysis, 5S+1, mistake proofing, and smart changeover			
<b>Schedule</b>	4 ½ Days -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

<b>Lean Manufacturing</b>		<b>\$1500</b>	<b>\$1925</b>	<b>3.6</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Hands-on introduction to Lean Manufacturing with emphasis on operating excellence, metrics, value stream mapping, workplace visuals, 5S+1, standard work, mistake proofing, and smart changeover			
<b>Schedule</b>	4 ½ Days -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

<b>Lean Service and Administrative Processes</b>		<b>\$1500</b>	<b>\$1925</b>	<b>3.6</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Hands-on introduction to Lean Service and Administrative Processes in non-manufacturing environments such as healthcare, insurance, education, government, and banking			
<b>Schedule</b>	4 ½ Days -- Contact workshops@asqpeedee.org for the latest scheduling/onsite training			

<b>Lean Six Sigma Green Belt</b>		<b>\$3100</b>	<b>\$3950</b>	<b>7.2</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Full spectrum of lean, six sigma, including statistical analysis, for leaders of a lean six sigma transformation ... as part of the workshop, each attendee will be expected to complete an in-house project applying the concepts learned			
<b>Schedule</b>	2-4 ½ day weeks -- Contact workshops@asqpeedee.org for the latest scheduling/onsite training			

<b>Lean Six Sigma Green Belt for Maintenance</b>		<b>\$3100</b>	<b>\$3950</b>	<b>7.2</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Full spectrum of lean, six sigma, including statistical analysis, for leaders of a maintenance-oriented lean six sigma transformation ... each attendee will be expected to complete an in-house project applying the concepts learned			
<b>Schedule</b>	2-4 ½ day weeks -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

<b>Lean Six Sigma Black Belt</b>		<b>\$6500</b>	<b>\$7700</b>	<b>14.4</b>
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Full spectrum of lean, six sigma, with heavy emphasis on statistical analysis, for those expecting to spend a large portion of their time leading an in-house lean six sigma transformation ... as part of the workshop, each attendee will be expected to complete an in-house project applying the concepts learned			
<b>Schedule</b>	2-4 ½ day weeks -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

**Healthcare: Give the Patient an Outstanding Experience**  
 "It's all about applying ideas and practices that work in manufacturing and industrial sectors into a healthcare setting. ASQ helps me stay informed on the latest developments in processes, training, and certification, and continues to be great for networking."





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Maintenance Excellence and Maintenance Excellence Assessments		\$300	\$385	0.8
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Concept of Maintenance Excellence, best-of-the-best performance metrics, and how to perform an in-house maintenance assessment			
<b>Schedule</b>	1 Day -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

Measurement System Analysis/Gage R&R		\$300	\$385	0.8
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Define and understand a measurement system and the causes of measurement variation; learn how to quantify measurement system variation through Gage Repeatability and Reproducibility studies			
<b>Schedule</b>	1 Day -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

Metrology/Science of Measurement		\$300	\$385	0.8
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Introduction to the science of measurement, measurement techniques, and measurement systems			
<b>Schedule</b>	Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

Mistake Proofing (Poka Yoke)		\$300	\$385	0.8
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Preventing mistakes before they happen is one of the simplest methods that can help a company reach its quality goals, improve efficiency, and decrease costs			
<b>Schedule</b>	1 Day -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

Operating Excellence and Operating Excellence Assessments		\$300	\$385	0.8
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Concept of Operating Excellence, best-of-the-best performance metrics, and how to perform an in-house operating excellence assessment			
<b>Schedule</b>	1 Day -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

Overall Equipment Effectiveness (OEE)		\$300	\$385	0.8
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Overall Equipment Effectiveness (OEE) is composed of three components: Performance, Availability, and Yield. It's one of the most powerful, yet most misunderstood and misapplied metrics in productivity improvement.			
<b>Schedule</b>	1 Day - Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

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Production Part Approval Process (PPAP)		\$300	\$385	0.8
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Requirements and documentation for sample submission to Chrysler, Ford and General Motors using the AIAG Production Part Approval Process manual as a guide			
<b>Schedule</b>	1 Day - Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

Quality Engineer (CQE) Certification Exam Prep		\$3250	\$3850	7.2
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Review of the development and operation of quality control systems, application and analysis of testing and inspection procedures, the ability to use metrology and statistical methods to develop and administer management information systems and to audit quality systems for deficiency identification and correction			
<b>Schedule</b>	2-4 ½ day weeks -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

Quality Management Principles		\$300	\$385	0.8
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Quality management principles, tools, and techniques for on-the-job application useful in a wide variety of businesses and organizations including service, manufacturing, government, education, and healthcare			
<b>Schedule</b>	1 Day -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

Quality/Org Exc Manager (CQM) Certif Exam Prep		\$1500	\$1625	3.6
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Review of quality management principles, techniques, and tools for on-the-job application and certification exam preparation.			
<b>Schedule</b>	4 ½ Days -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

Quality Technician (CQT) Certification Exam Prep		\$900	\$1155	2.4
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Analysis of quality problems, sampling plan applications, auditing, analyzing quality costs and other quality data, and the application of fundamental statistical methods			
<b>Schedule</b>	Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

Root Cause Failure Analysis (RCFA)		\$300	\$385	0.8
		ASQ Member	Non-Member	CEU's
<b>Description</b>	Understand root cause analysis as a procedure for ascertaining and analyzing the causes of problems in an effort to determine what can be done to solve or prevent them			
<b>Schedule</b>	1 Day -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

**Education: School Success Extends to the Community**  
 “Transforming our district has resulted in improved parent satisfaction, improved community perception, and increased home values.”





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Statistical Process Control		\$300	\$385	0.8
		ASQ Member	Non-Member	CEU's
Description	Quality management principles and the 8 statistical process control tools of check sheets, flow diagrams, scatter diagrams, pareto charts, histograms, cause and effect diagrams/matrices, design of experiments, and control charts			
Schedule	1 Day -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

Statistical Methods with Minitab/MS Excel		\$1625	\$2050	3.6
		ASQ Member	Non-Member	CEU's
Description	Applied statistical methods including descriptive statistics and statistical significance using Minitab and MS Excel			
Schedule	4 ½ Days -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

Statistical Process Control with Minitab/MS Excel		\$1625	\$2050	3.6
		ASQ Member	Non-Member	CEU's
Description	Quality management principles and the hands-on application of eight SPC tools (check sheets, flow diagrams, scatter diagrams, pareto charts, histograms, cause and effect diagrams, design of experiments, and control charts) using Minitab and MS Excel			
Schedule	4 ½ Days - Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

Total Productive Manufacturing (TPM)		\$300	\$385	0.8
		ASQ Member	Non-Member	CEU's
Description	Gain an appreciation for how the best-of-the-best involve the entire organization (manufacturing, maintenance, and office operations) in identifying and eliminating defects, interruptions, and safety incidents			
Schedule	1 Day - Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

Value Stream Mapping and Management (VSM)		\$300	\$385	0.8
		ASQ Member	Non-Member	CEU's
Description	Graph and prioritize potential opportunities in a way easily communicated and understood by others ... intended for manufacturing, service, and administrative processes			
Schedule	1 Day -- Contact workshops@asqpeedee.org for the latest scheduling and onsite training at your location			

Voice of the Customer (VOC)		\$300	\$385	0.8
		ASQ Member	Non-Member	CEU's
Description	Learn how to solicit and quantify in a usable manner basic customer requirements, customer performance needs to capture market share, and product/service characteristics that excite customers leading to market domination			
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