



QUOTE(S) OF THE
MONTH FROM ASQ
QUALITY QUOTES:

“A BAD SYSTEM WILL
BEAT A GOOD PERSON
EVERY TIME.”

W. EDWARDS DEMING

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Newsletter Chair

Paul Suffredin

General Meeting Information

Welcome Back to a New Year.

The safety of our members is our top priority. Due to the national COVID-19 emergency, the Fox Valley Section of ASQ will **not host a section meetings or senior leadership meetings in-person and will continue to be held online. If this changes, we will inform members as soon as possible. Thank you for your patience, understanding, and support.

The next general meeting will be held on **Tuesday, April 5, 2022**

via:

WebEx Conference Bridge (Webinar)

Please REGISTER on our website: <https://asq-foxvalley.org/meetinginfo.php?id=262>

Only people who have registered will be sent the meeting link.

Important Notes regarding Registration:

- **Registration closes end of day (midnight) Saturday, April 2, 2022**
 - The meeting link will be sent to all registrants **after** registration closes. You will **not** receive a link to attend without prior registration.
 - Attendees will earn **0.5 RUs**. **Note: RU letters are issued during on-site meetings and via e-mail, normally the next day for Virtual meetings. If the letter does not arrive the next day. Members should contact us right away and not wait until recertification deadline to request the letters.**
 - There is no fee for this meeting.
- Etiquette on the call/during the webinar (Online):**
- If possible, join the meeting using the link so that you can see the presentation.
 - Avoid joining from multiple devices if possible, to avoid taking two conference slots.

Tuesday's April 5th Program

“Maximizing the ROI from your Quality Management System”

Presenter: Darwin Millet

President

To check Quality of connection.

Log in: 5:45-6:00pm

Presentation: 6:00-7:00pm



Speaker: Darwin Millet



Webinar - Presentation

“Maximizing the ROI from your Quality Management System”

Contact Information

Name: Darwin Millet - President

Co-Worker: Kyle LeSueur <kyle@axeon.net>

Address: 488 E. Winchester St, Suite 220, Salt Lake City, UT 84107

Phone: 801-571-2665

Website: axeon.net

Presentation – At Fox Valley Section 1208 Webinar meeting on

Tuesday, April 5, 2022.

Title: Maximizing the ROI from your Quality Management System

Abstract:

A Quality Management System is NOT a cost of doing business. It’s an investment. And top management should expect to get a financial return on that investment. However, the Return On Investment (ROI) they receive will be greatly impacted by the level of leadership and commitment they provide concerning the management system.

The newest versions of most ISO management standards have amplified the requirements for top management, in accordance with ISO 9001:2015. You will learn how to fulfill their new responsibilities, take accountability, and maximize the ROI they get from their management systems.

This session will help to show the true value of your quality management system and how much it really adds to your bottom line. It will also help your company to increase the ROI of your QMS.

Biography

Darwin D. Millet, Jr. MBA, CPA, Exemplar Global and Probitas Instructor a Senior Executive with real-world management and broad industry experience. Darwin has served as: President/Chief Executive Officer, Chief Operating Officer, Chief Financial Officer and Chief Sales/Marketing Officer for organizations generating few million dollars to over \$200-million in annual sales. As a consultant and master presenter to both domestic and international audiences, Mr. Millet gains immediate credibility as a teacher, adviser, and business-executive.

For the past 30-years Darwin has been on the “firing-line” of business ownership and leadership. Combining his unique blend of skills in Operations, Strategy, Finances and Sales, past projects include:

- Presided over medical device manufacturer (Magellan Technologies/Bio-Meridian) operating and distributing world-wide to MD’s, Hospitals, Dentists and Chiropractors. Imported, developed and distributed conventional and holistic medical devices into North and South America, Europe and the Middle East.
- Lean Services Consulting and outsourcing of Healthcare insurance claim forms processing for the nation’s largest insurance providers: AETNA; United Health Care; Prudential; Cigna Health Care; Blue Cross & Blue Shield Plans of: Southern California, Georgia, New Jersey, Florida, Texas and Utah. Processed approximately 110,000 claims forms daily for dental, hospital, major medical and Medicare part A&B.
- Health Axis/Axis Healthcare: division president for the forerunner of this multifaceted healthcare insurer/provider. Division developed software/claim processing solutions for insurers and worked with hospital and healthcare staffing needs (UICI and Insurdata).
- Supply-Chain Lean (Aerospace) for: PCC Structural; ATK Launch Systems (NASA Distinguished Supplier Award); and, Ladish-ATI PCT, Selmet, Inc.
- Design and Fabricate In-Line/X-ray inspection systems for: Barnes Aerospace; Ladish-ATI PCT; ATI-Wah Chang; Lockheed-Martin; Ball Aerospace; Boeing; Hill AFB
- Authored multiple Quality Management Trainings in : QMS Auditing, Quality Leadership & Management, Quality Topics, and Change Management
- Training/Consulting/Auditing in Certifications compliant with: ISO 9001, AS9100, ISO 13485, ISO 14001, IATF 16949, ISO 45001, etc.
- Acting as Senior VP of Marketing and Sales grew company from start-up concept to operational business to publicly traded firm which is now Overstock.Com.
- Bought, Managed, Merged and Sold businesses in Healthcare Providers, Healthcare Insurers, Medical Equipment, Aerospace, Design and Fabrication Engineering, Injection Molding, , General Contracting, Off-Shore Computer Services and Holistic Health Care

Mr. Millet’s professional career started at Price Waterhouse Coopers where he earned his CPA license auditing large mining operations, retail grocers and health insurers. After finishing his MBA at Brigham Young University, Darwin was hired by an investor group to consult with and manage a variety of companies. Since then he has bought, sold and managed several companies.

A partial list of Darwin’s Consulting/Audit QMS clients:

Abbott Labs	Edwards Lifesciences	ITT Fiberscience
Zimmer Dental	Merck	Wolfe-Tory
Lockheed Martin	LISI Aerospace	ATK Launch & Composite Systems
Timet	Campbell Scientific	Northrop Grumman
Axis Healthcare	Moxtek	Duke University Hospital
Boeing Corporation	Ford Motor Company	Alcoa Aluminum

Letter From The Chair

April 2022

Dear Fox Valley Section 1208 Members,

We have had millions of workers quitting their jobs every month. In December, 4.3 million workers quit. And December was the 6th straight month having turnover of roughly 4 million workers. Thankfully most workers are quitting for other jobs. This has left the unemployment rate largely unchanged.

Employers are carrying millions of open positions—there were roughly two open positions for every unemployed worker in December, according to one of my news magazines.

One has to wonder if this is translating to workers having more power when dealing with their employers and future employers. One employer in Healthcare, ThedaCare, resorted to suing a rival, Ascension, “for poaching seven workers”. Since these were “at will” workers with no employment contracts, the judge ruled against ThedaCare. “At will employment” works both ways: employers are able to fire employees easily for almost any reason, and workers are free to quit, walk out, and leave any employer at any time for any reason. It is just that now employers are really seeing this other side of the coin of “at will employment”.

With all of this churn in employment, I have been wondering about how employers and employees are able to connect and have the needed job interviews. Just consider the sheer volume of interviews in light of the social distancing needed during this pandemic.

Of course, much of the interviewing process is happening on-line, via the internet and our cell phones. In addition, it turns out, that part of the answer here is new automation. Employers have started using automated video interviews. These automated video interviews are AI (Artificial Intelligence) driven and require the candidates to answer questions under time pressure. The original article describing this in “The Harvard Business Review” stated “...for all kinds of applicants, trying to appeal to a computerized interviewing system was exhausting both emotionally and cognitively.”

From my perspective, I think I would carefully avoid participating in any kind of AI driven video interview. On the other hand, I, like nearly 100% of those looking for new positions, am trying to find the perfect virtual career position.

I wish everyone looking to move on to a new career opportunity, the best of luck. Have a great month and I hope to “see” you at our next member meeting on Tuesday April 5th, for our program discussion on Maximizing Return On Investment (ROI) via Quality Management Systems (QMS).

Bob Kutter

Section 1208 Chair



Fox Valley Leadership

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chair@asq-foxvalley.org

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**Scholarship: Rene Webb, Bob Kutter,
Mohammad Khan, & David McDonald**
scholarship@asq-foxvalley.org

**SLC Meeting Coordinator:
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voc@asq-foxvalley.org

Workshops, Certificate Programs, and Certification Prep Web Interactive

ASQ Fox Valley Section Web Interactive Exam Preparation Courses

This is still the perfect time to receive customized, flexible, and virtual ASQ Training for your next certification! More and more people are getting ASQ certified in the Fox Valley Section! Now may be a great time to invest in your career development with a flexible Prep Course taught by our own Education Chair, Chuck Gates. Chuck brings over 40 years of experience in various quality management roles, and he teaches Quality Management and ASQ Certification courses to several colleges and businesses in Illinois. Reach out to the Education Chair for more details.

Please review the Training Catalog or visit <https://www.asq-foxvalley.org> and select the Education tab for more information regarding the schedule of courses and workshops.

Web Interactive Courses can be scheduled on flexible dates and times. Participants must purchase the study materials and pay for Certification Exams.

The Fox Valley Section of ASQ welcomes you and anyone interested in volunteering their time, to attend one of our **Section Leadership Committee (SLC)** meetings. It is during these meetings where decisions and updates are managed for the section. All feedback and participation are appreciated. For more information or if interested in attending a meeting, please contact help@asq-foxvalley.org.

Date 2022 6:30pm	Location
Tuesday ,April 19	webinar
Tuesday ,May 17	webinar
June ,July no meetings	Next Meeting August 16th



Networking Leads for Members in Transition

- **WAG (Winfield Accountability Group)** meets at 8:00am on Monday mornings at the NM/CDH Hospital Café. Contact 630.212.1568 or drmsbb@gmail.com for details and invitation.
- **TUG (Tri-Cities Unemployment Group)** meets 6:30 p.m. on Mondays in St Charles, IL. Contact: TUGCareerServices.org or email: WeCanHelp@TUGCareerServices.org.
- **Mfg. Pros Networking Group** meet on the last Tuesday of the month in Lombard, IL. Contact Juan at: mfgpros@att.net.
- **JDNG (Jobs Driven Networking group)** meets the 3rd Thursday every month 12:00 – 12:50pm at the Wheaton Masonic Lodge to discuss networking tactics and search strategies. Meetings are FREE to attend in person. Contact: <https://drivestaff.com/jdng>
- **North Suburban Cook County- American Job Center-** WWW.NORTHCOOKJOBCENTER.COM
- **Linda Employment Transition –Elgin Community College** lbrubaker@elgin.edu



Manufacturers Upbeat Working Remotely

Nearly 74% of manufacturers said they are optimistic about the future, and adapting and rebounding in the wake of the COVID-19 pandemic, according to a recent survey.

Manufacturers said they are also adopting new technologies and processes for managing production and controlling quality, including 75% who noted more of their workers are now working remotely using cloud-based computing, reported InfinityQS International Inc., a U.S. software developer.

“The impact of coronavirus has been a massive wake-up call for all industries and manufacturing is no exception, particularly as a sector still heavily dependent on manual processes and legacy technologies,” said InfinityQS’s Jason Chester.

For more from the survey, visit <https://tinyurl.com/manufacturers-upbeat-future>.

*Sanders, S. (2020, October). The Progress Report: ASQE. Quality Progress: The Official Publication of ASQ, 53(10), 8-9

Job Submissions

Job submissions should be sent to ASQ.org for distribution to a much larger audience than what the Fox Valley ASQ Section 1208 can provide.

If you want to network a local Quality position, send contact and basic job description to help@asq-foxvalley.org.

LinkedIn Profiles

LinkedIn is a career networking site that also has social aspects. A career searcher’s LinkedIn profile is significant in an effective career search. There is high demand for quality skills in this current career environment. Are you being contacted about opportunities? Are recruiters looking at your LinkedIn profile? For future career networking your long term LinkedIn career network needs to be expanded and maintained. Talk to people in local job clubs for help with LinkedIn.



2022 Future Meeting Dates and Locations

DATE	Location	Speaker	Topic
May 3rd Tuesday	Webinar	Scholarship Committee	Scholarship Presentation
May 3rd Tuesday	Webinar	Regina Fullin	Evolving Quality Requirements for Cannabis.
No meetings June– August			
September 8 Thursday Note change of meeting day.	Webinar-TBD	Elliot Witt	Makerspace-Library partnership with business

Section Scholarships

The Fox Valley Section of the American Society for Quality is pleased to announce the 2022-2023 scholarship program. As in previous years, we will award the Richard A. Maas Scholarship via the local high school and a section scholarship to the graduating high school child or grandchild of an active section member. Applications for the Richard A Maass scholarship were sent to the High Schools in October.

The ASQ Fox Valley section Scholarship is a one-time, monetary award presented to one candidate from the applications received from children and grandchildren of active section members. This Scholarship program is open to high school seniors pursuing a college degree the next academic year at an accredited university or four-year college. The scholarship awards are paid directly to the awardee’s college.

28 Applications for the Richard A. Maas Scholarship.

5 Applications for the Section Scholarship.

Scholarships Awarded at the May3rd meeting.

Tours

Hopefully during this next year we can do one.

Fox Valley ASQ Section I208 is looking for opportunities to sponsor Quality Tours in the Fox Valley Area.

**Due to circumstances surrounding COVID-19, planned tours for 2021 have been postponed. However, we are still looking for leads for future tours. We want to offer the benefit of Quality professionals available to offer fresh eyes and ideas to help companies with their Quality challenges.*

What are we looking for?

Companies that would like to have 25-30 pairs of fresh Quality eyes visit their operations for networking and dialogue on Quality applications, tactical ideas and new exposure of the great companies in the Fox Valley Area.

What do we need?

Fox Valley Section members that can sponsor a tour at their company or business site. Contact help@asq-foxvalley.org to pursue this opportunity.



UPCOMING CERTIFICATION EXAM DATES

Please check exam dates & deadlines carefully as we will not make exceptions for late applications. All deadlines are at 11:59 p.m. US CST on the date specified.

Computer-Based Testing Dates

ASQ certification examinations are delivered by ASQ's testing partner, Prometric. The examination scheduling instructions in your eligibility letter will direct you to a section of Prometric's website, where you can select and schedule your examination date and location.

ODD-MONTH EXAMS

CQT, CQI, CRE, CFSQA, CMDA, CMQI

Testing Window	Application Deadline
May 1 - 31, 2022	April 5, 2022
July 1 - 31, 2022	June 5, 2022
September 1-30,2022*	August 5,2022
*The new CSSBB BoK and new Cissy BoK will be tested in this window.	

CQA,CQE,CQIA,CSQE,CSSGB,CQPA,CCT,CPGP

June1-30-2022	May 5,2022
*August 1-31.2022	July5,2022
October 1-31,2022	September 5,2022
*The new CSSGB BoK will be tested in this window.	

ASQ Fox Valley Section Training Institute



ASQ

Fox Valley Section 1208

NEW!! Training Catalog 2022

The Certification Exam Preparation Courses and Workshops are offered on demand. They will be scheduled when you are ready to engage. The Courses and Workshops are conducted in a virtual, interactive format, one day per week.

Certified Master Instructors with Years of Practical Experience.

Contact education@asq-foxvalley.org with questions.

ASQ Quality Certifications

Certified Quality Engineer (CQE) Exam Preparation Course

The course is intended to prepare candidates to take the ASQ CQE Exam. The following body of knowledge is included: management & leadership, quality systems, product & process design, product & process development, testing & measurements, control & management tools, improvement tools, basic statistics, statistical analysis, and advanced statistics.

CQE Exam Eligibility Requirements: Applicants must have eight years of on-the-job experience in one or more of the areas of the Certified Quality Engineer Body of Knowledge. A minimum of ~~three years of this experience must be in a decision-making position.~~ “Decision-making” is defined as the authority to define, execute, or control projects/processes and to be responsible for the outcome. This may or may not include management or supervisory positions.

CQE Exam Prep Regular Course: Six, 2-Hour Virtual Sessions. Course Fee: \$900

CQE Exam Prep Accelerated Course: Three, 2-Hour Virtual Sessions. Course Fee: \$450

CQE Study Materials: Must be purchased by the participant for about \$200.

CQE Exam Fee: \$398 ASQ Members \$498 Nonmembers

The CQE computer-based examination is a one-part, multiple choice 175-question exam and is offered in English only. 160 multiple choice questions are scored and 15 are unscored. Total appointment time is five-and-a-half hours, exam time is 5 hours and 18 minutes.

CQE Exam Dates:

Application Deadline: May 5, 2022

Exam Window: June 1-30, 2022

Application Deadline: July 5, 2022

Exam Window: August 1-31, 2022

Application Deadline: September 5, 2022

Exam Window: October 1-31, 2022

ASQ Quality Certifications

Certified Manager of Quality/Organizational Excellence (CMQ/OE) Exam Prep Course

The course is intended to prepare candidates to take the ASQ CMQ/OE Exam. The following body of knowledge is included: leadership, strategy development, management skills, quality systems, quality models, management tools, statistical analysis, customer focus, supplier management, training, development, and essay questions.

CMQ/OE Exam Eligibility Requirements: Applicants must have at least 10 years of higher education and/or work experience in one or more of the CMQ/OE body of knowledge areas, including 5 years of a decision-making position.

CMQ/OE Exam Prep Regular Course: Six, 2-Hour Virtual Sessions. Course Fee: \$900

CMQ/OE Exam Prep Accelerated Course: Three, 2-Hour Virtual Sessions. Course Fee: \$450

CMQ/OE Study Materials: Must be purchased by the participant for about \$200.

CMQ/OE Exam Fee: \$468 ASQ Members \$568 Nonmembers

The CMQ/OE computer-based examination is a one-part, multiple choice 180-question exam and is offered in English only. 165 questions are scored and 15 are unscored. Total appointment time is four-and-a-half hours, exam time is 4 hours and 18 minutes.

CMQ/OE Exam Dates:

Application Deadline: April 5, 2022

Application Deadline: June 5, 2022

Application Deadline: August 5, 2022

Exam Window: May 1-31, 2022

Exam Window: July 1-31, 2022

Exam Window: September 1-30, 2022

ASQ Quality Certifications

Certified Six Sigma Black Belt (CSSBB) Exam Prep Course

The course is intended to prepare candidates to take the ASQ CSSBB Exam. The following body of knowledge is included: enterprise-wide deployment, process management, team management, DMAIC (define, measure, analyze, improve, and control), statistical process control, design of experiments, failure mode and effects analysis, statistics, and hypothesis testing.

CSSBB Exam Eligibility Requirements: The application for Six Sigma Black Belt requires two completed Six Sigma projects documented by signed affidavits; or one project with a signed affidavit and three years of work experience as it pertains to the CSSBB Body of Knowledge.

CSSBB Exam Prep Regular Course: Six, 2-Hour Virtual Sessions. Course Fee: \$900

CSSBB Exam Prep Accelerated Course: Three, 2-Hour Virtual Sessions. Course Fee: \$450

CSSBB Study Materials: Must be purchased by the participant for about \$200.

CSSBB Exam Fee: \$438 ASQ Members \$538 Nonmembers

The CSSBB computer-based examination is a one-part, 165-question exam and is offered in English only. 150 questions are scored and 15 are unscored. Total appointment time is four-and-a-half hours, exam time is 4 hours and 18 minutes.

CSSBB Exam Dates:

Application Deadline: April 5, 2022

Exam Window: May 1-31, 2022

Application Deadline: June 5, 2022

Exam Window: July 1-31, 2022

Application Deadline: August 5, 2022

Exam Window: September 1-30, 2022

ASQ Quality Certifications

Certified Six Sigma Green Belt (CSSGB) Exam Prep Course

The course is intended to prepare candidates to take the ASQ CSSGB Exam. The following body of knowledge is included: six sigma goals, design for six sigma, define teams, customers, projects, tools, & results, measure data, process analysis, probability, capability, measurement, analyze, improvement techniques, and control concepts.

CSSGB Exam Eligibility Requirements: The application for Six Sigma Black Belt requires three years of work experience with the CSSGB body of knowledge.

CSSGB Exam Prep Regular Course: Six, 2-Hour Virtual Sessions. Course Fee: \$900

CSSGB Exam Prep Accelerated Course: Three, 2-Hour Virtual Sessions. Course Fee: \$450

CSSGB Study Materials: Must be purchased by the participant for about \$200.

CSSGB Exam Fee: \$338 ASQ Members \$438 Nonmembers

The CSSGB computer-based examination is a one-part, 110-question exam and is offered in English only. 100 questions are scored and 10 are unscored. Total appointment time is four-and-a-half hours, exam time is 4 hours and 18 minutes.

CSSGB Exam Dates:

Application Deadline: May 5, 2022

Exam Window: June 1-30, 2022

Application Deadline: July 5, 2022

Exam Window: August 1-31, 2022

Application Deadline: September 5, 2022

Exam Window: October 1-31, 2022

ASQ Quality Certifications

Certified Six Sigma Green Belt (CSSYB) Exam Prep Course

The course is intended to prepare candidates to take the ASQ CSSYB Exam. The following body of knowledge is included: six sigma fundamentals, define phase, measure phase, analyze phase, improvement, and control phases.

CSSYB Exam Eligibility Requirements: The Six Sigma Yellow Belt certification requires no education or work experience.

CSSYB Exam Prep Regular Course: Six, 2-Hour Virtual Sessions. Course Fee: \$900

CSSYB Exam Prep Accelerated Course: Three, 2-Hour Virtual Sessions. Course Fee: \$450

CSSYB Study Materials: Must be purchased by the participant for about \$200.

CSSYB Exam Fee: \$294 ASQ Members \$394 Nonmembers

The CSSYB computer-based examination is a one-part, 85-question exam and is offered in English only. 75 questions are scored and 10 are unscored. Total appointment time is two-and-a-half hours, exam time is 2 hours and 18 minutes.

CSSYB Exam Dates:

Application Deadline: April 5, 2022

Exam Window: May 1-31, 2022

Application Deadline: June 5, 2022

Exam Window: July 1-31, 2022

Application Deadline: August 5, 2022

Exam Window: September 1-30, 2022

ASQ Quality Certifications

Certified Supplier Quality Professional (CSQP) Exam Review Course

The Certified Supplier Quality Professional tracks data, identifies improvement projects, and manages cross-functional implementation to improve performance of key components and suppliers. The CSQP body of knowledge includes: supplier strategy, supply chain lifecycle management, cost analysis, risk-based strategy, supplier performance monitoring, supplier quality management, relationship management, communications, business governance, leadership, collaboration, ethics, and compliance.

CSQP Exam Eligibility Requirements: You must have eight years of on-the-job experience in one or more of the areas of the Certified Supplier Quality Professional Body of Knowledge. A minimum of three years of this experience must be in a decision-making position.

CSQP Exam Prep Regular Course: Six, 2-Hour Virtual Sessions. Course Fee: \$900

CSQP Exam Prep Accelerated Course: Three, 2-Hour Virtual Sessions. Course Fee: \$450

CSQP Study Materials: Must be purchased by the participant for about \$200.

CSQP Exam Fee: \$398 ASQ Members \$498 Nonmembers

The CSQP computer-based examination is a one-part, 165-question exam and is offered in English only. 150 questions are scored and 15 are unscored. Total appointment time is four-and-a-half hours, exam time is 4 hours and 18 minutes.

CSQP Exam Dates:

Application Deadline: April 5, 2022

Exam Window: May 1-31, 2022

Application Deadline: June 5, 2022

Exam Window: July 1-31, 2022

Application Deadline: August 5, 2022

Exam Window: September 1-30, 2022

ASQ Quality Certifications

Certified Quality Auditor (CQA) Exam Review Course

The course is intended to prepare candidates to take the ASQ CQA Exam. The following body of knowledge is included: auditing fundamentals, auditor competencies, audit preparation, audit performance, audit reporting, audit follow-up & closure, audit business applications, quality tools, and techniques.

CQA Exam Eligibility Requirements: Applicants must have at least 8 years of higher education and/or work experience in one or more of the areas of the CQA Body of Knowledge, including a minimum of 3 years in a decision-making position.

CQA Exam Prep Regular Course: Six, 2-Hour Virtual Sessions. Course Fee: \$900

CQA Exam Prep Accelerated Course: Three, 2-Hour Virtual Sessions. Course Fee: \$450

CQA Study Materials: Must be purchased by the participant for about \$200.

CQA Exam Fee: \$398 ASQ Members \$498 Nonmembers

The CQA computer-based examination is a one-part, multiple choice 165-question exam and is offered in English only. 150 multiple choice questions are scored and 15 are unscored. Total appointment time is five-and-a-half hours, exam time is 5 hours and 18 minutes.

CQA Exam Dates:

Application Deadline: May 5, 2022

Exam Window: June 1-30, 2022

Application Deadline: July 5, 2022

Exam Window: August 1-31, 2022

Application Deadline: September 5, 2022

Exam Window: October 1-31, 2022

Other Certification Exam Preparation Courses

These ASQ Certification Exam Preparation Courses Are Also Available Upon Request:

Certified Reliability Engineer (CRE)
Certified Quality Improvement Associate (CQIA)
Certified Quality Process Analyst (CQPA)
Certified Quality Inspector (CQI)
Certified Quality Technician (CQT)
Certified Quality Software Engineer (CQSE)

These Certification Exam Preparation Courses Are Also Available Upon Request:
Certified Associate in Project Management (CAPM)
Society for Human Resource Management: Certified Professional (SHRM-CP)

SME Certifications

Lean Bronze Certification (LBC) Exam Review Course

The Society of Manufacturing Engineers (SME) offers a Lean Bronze Certification Exam. The American Society for Quality (ASQ) is also affiliated with LBC. The Lean Bronze Certification is also available to non-members. There are no education or work experience requirements

Phase I – Exam

Exam content is linked to the Lean Bronze Body of Knowledge. Candidates are expected to successfully pass the 172-question, 3-hour exam before moving to the portfolio phase.

Phase II – Portfolio

Lean Certification candidates continually exercise their Lean knowledge by participating in activities in which they apply Lean principles and tools. At the Bronze-Level, practitioners demonstrate their experience through the development of their Lean portfolio. 80 hours of education/training, five tactical projects, and portfolio reflection within a three-year timeframe after the exam.

LBC Exam Prep Regular Course: Six, 2-Hour Virtual Sessions. Course Fee: \$900

LBC Exam Prep Accelerated Course: Three, 2-Hour Virtual Sessions.

LBC Study Materials: Fundamentals of Manufacturing Package (\$150) must be purchased at www.sme.org

LBC Exam Content: Download LBC BOK.pdf at www.sme.org

LBC Exam Fee: \$439 SME members and \$599 nonmembers

The LBC Computer-Based Exam can be proctored on site.

SME Certifications

Certified Manufacturing Technologist (CMfgT) Exam Prep Course

The Web interactive course is expected to prepare candidates to the SME Certified Manufacturing Technologist Exam (CMfgT) Exam. The body of knowledge consists of mathematics, applied & engineering sciences, materials, product & process design & development, manufacturing process applications, operations, production systems, equipment design, automated systems, controls, quality, continuous improvement, manufacturing management, and personal effectiveness.

CMfgT Exam Eligibility Requirements: 4 years of combined manufacturing-related education and/or experience.

CMfgT Exam Prep Regular Course: Six, 2-Hour Virtual Sessions. Course Fee: \$900

CMfgT Exam Prep Accelerated Course: Three, 2-Hour Virtual Sessions.

CMfgT Study Materials: Fundamentals of Manufacturing Package (\$150) must be purchased at www.sme.org

CMfgT Exam Requirements: Download CMfgT BOK.pdf at www.sme.org

CMfgT Exam Fee: \$245 SME members and \$490 nonmembers

The CMfgT Computer-Based Exam can be proctored on site.

SME Certifications

Certified Manufacturing Engineer (CMfge) Exam Prep Course

The Virtual course is expected to prepare candidates to take either the SME Certified Manufacturing Engineer Exam (CMfge). The body of knowledge includes: mathematics, applied & engineering sciences, materials, product & process design & development, manufacturing process applications, operations, production systems, equipment design, automated systems, controls, quality, continuous improvement, manufacturing management, and personal effectiveness.

CMfge Exam Eligibility Requirements: 8 years of combined manufacturing-related education and/or experience, including a minimum of 4 years of work experience.

CMfge Exam Prep Regular Course: Six, 2-Hour Virtual Sessions. Course Fee: \$900

CMfge Exam Prep Accelerated Course: Three, 2-Hour Virtual Sessions.

CMfge Study Materials: Fundamentals of Manufacturing Package (\$150) must be purchased at www.sme.org

CMfge Exam Content: Download CMfge BOK.pdf at www.sme.org

CMfge Exam Fee: \$275 SME members and \$520 nonmembers

The CMfge Computer-Based Exam can be proctored on site.

3-Hour Instructor-Led Workshops (\$150) Earn Continuing Education Units (CEUs)

- ❖ **Lean & Six Sigma Best Practices**
Lean Principles, Six Sigma Fundamentals, Lean versus Six Sigma, Best Practices, Training, Practical Lean and Six Sigma Examples, Sustaining the Gains. Potential Professional Certifications: Lean Bronze Certification (LBC), Certified Six Sigma Green Belt (CSSGB), Certified Six Sigma Black Belt (CSSBB).
- ❖ **Project Management Best Practices**
Project Management Body of Knowledge, Five Project Management Process Groups, Ten Knowledge Areas, Forty-Seven Processes, Organizing for Effective Project Management, Sustaining the Gains of Projects. Potential Professional Certifications: Certified Associate in Project Management (CAPM) and Project Management Professional (PMP).
- ❖ **Quality Management System ISO 9001:2015**
QMS Fundamentals, ISO 9001:2015 QMS International Standard Certification, Organization Context, Leadership, Planning, Support, Operation, Performance Evaluation, Improvement, Internal Audit.
- ❖ **Statistical Process Control (SPC)**
Variable Control Charts, Attribute Control Charts, Common Causes and Special Causes, Sources of Variability, Control Limits, Control Chart Analysis, Control Chart Rules, Process Capability (Cp and Cpk) and Practice Exercises.
- ❖ **Continuous Process Improvement (CPI)**
Review Nearly All of the Continuous Process Improvement (CPI) Tools, Advantages and Disadvantages of Each CPI Tool, Determine the Two Critical Processes that Need Improvement, Select Two Continuous Process Improvement Tools to Get Started, Metrics for Improvement, and CPI Best Practices.

3-Hour Instructor-Led Workshops (\$150) Earn Continuing Education Units (CEUs)

- ❖ **Financial Analysis and Cost Estimating**
Income Statement (Revenue – Expenses = Net Income), Balance Sheet (Assets – Liabilities = Owner's Equity), Depreciation Methods, Cash Flow Report (Positive Cash Flow – Negative Cash Flow = Net Cash Flow), Improving the Financial Results, Return on Assets (ROA), Return on Investment (ROI), Cash-to-Cash Cycle Time, Cost Estimating Fundamentals, Fixed Costs and Variable Costs, Breakeven Analysis, Economics and Sustainable Competitive Advantage, Time Value of Money, Capital Projects, Expense and Cost Reduction Projects.
- ❖ **Forecasting Accuracy Improvement**
Short-Term Forecasting Methods, Long-Term Forecasting Methods, Measuring Forecast Accuracy, Current Forecast Accuracy, Future Forecast Accuracy Objective, and Improving Forecast Accuracy.
- ❖ **Labor Relations Best Practices**
Human Resource Policies, Practices, and Procedures, Employment and Labor Laws, Employer and Employee Rights, Progressive Discipline Process, Managing Labor in a Union-Free Environment, Managing Labor in a Union Environment, and Human Resource Management.
- ❖ **Customer Relationship Management (CRM)**
Customer Service and Customer Satisfaction, Defining Customer Expectations: Explicit, Implicit, Static, Dynamic, Technological, Interpersonal, & Situational, Voice of the Customer, Customer Segmentation, Four Main Customer Categories, One-to-One Marketing, Demand Forecast Accuracy, Excellence in Order Fulfillment.
- ❖ **Risk Management ISO 31000**
Risk Management Basics, Risk Planning, Risk Assessment, Risk Analysis, Risk Mitigation

3-Hour Instructor-Led Workshops (\$150) Earn Continuing Education Units (CEUs)

- ❖ **Leadership & Management Best Practices**
Leadership Principles, Management Functions, Ethics and the Code of Conduct, Situational Leadership Model, SMART Goals, Management by Objectives (MBO), Effective Performance Evaluations, Employee Mentoring and Development, Hiring the Best, Incentives, and Employee Retention.
- ❖ **Advanced Statistics and Hypothesis Testing**
Normal Probability Distribution, Binomial Probability Distribution, Poisson Probability Distribution, Regression Analysis and Correlation, Confidence Intervals, Hypothesis Testing, and Design of Experiments (DOE).
- ❖ **Industry 4.0, Manufacturing 4.0, Smart Factory and Digital Transformation**
The Fourth Industrial Revolution, Cyber-Physical Systems, Factory of the Future, New Technologies, Automation and Robotics, Advanced Computer Capabilities, Connected Supply Chain, Adoption of Manufacturing Execution Systems, Use of Emerging Technologies in Manufacturing, Manufacturing Evolution, Three Pillars of Manufacturing 4.0, Lean and Manufacturing 4.0, Implementation Strategies, Digital Manufacturing, Automated Manufacturing, Additive Manufacturing, Human Machine Interface, Advanced Sensors, Machine Monitoring, Machine Technologies, Instrumentation and Control Systems.
- ❖ **Supply Chain Management Best Practices**
Supply Chain Infographic: Understanding the Supply Chain, Three Flows (Information, Product, and Cash), Supply Chain Entities (Suppliers, Logistics Providers, Manufacturers, Distributors, End Users), Supply Chain Processes, Supply Chain Drivers and Metrics, Demand Forecasting, Transportation Management, Warehouse Management, Inventory Management. Potential Professional Certifications: Certified in Production and Inventory Management (CPIM), Certified in Logistics, Transportation, and Distribution (CLTD), Certified Supply Chain Professional (CSCP).

3-Hour Instructor-Led Workshops (\$150) Earn Continuing Education Units (CEUs)

❖ **Auditing Fundamentals**

Types of Quality Audits, Purpose and Scope of Audits, Criteria to Audit Against, Audit Process and Responsibilities, Corrective and Preventive Action (CAPA), Audit Documentation, Objective Evidence, and Reporting, Auditor Competencies, Auditing Standards ISO 19011:2011, Auditing Best Practices. Potential Professional Certification: Certified Quality Auditor (CQA)

❖ **Quality 101 – Fundamentals**

Quality Management System, Quality and Planning Tools, Inspection and Testing, Continuous Quality Improvement Tools, Corrective and Preventive Action (CAPA), Control Charts. Potential Professional Certifications: Certified Quality Improvement Associate (CQIA), Certified Quality Process Analyst (CQPA), Certified Quality Technician (CQT), Certified Quality Inspector (CQI), Certified Quality Engineer (CQE), Certified Manager of Quality/Organizational Excellence (CMQ/OE).

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❖ **Supplier Quality Fundamentals**

Supply Chain Strategy, Supplier Lifecycle Management, Supplier Agreements and Contracts, Risk Management, Supplier Selection and Part Qualification, Supplier Performance Monitoring and Improvement, Supplier Quality Management, Relationship Management, Business Governance, Ethics, and Compliance. Potential Professional Certification: Certified Supplier Quality Professional (CSSQP).

❖ **Hiring Best Practices**

Reactive versus Proactive Hiring, Projection of Job Openings (Talent Needs), Wide Variety of Sources for Qualified Job Candidates, Potential Hiring Categories: Leased (Contract), Part-Time, Full-Time, Intern, Temporary, Outsource, Creating a Talent Pool, Structured Interview Process (Targeted Selection), Pre-Employment Screening and Background Check, and Effective Onboarding of New Employees.

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