

ASQ CERTIFIED QUALITY ENGINEER CERTIFICATION PREPARATION

"Master the Principles of Quality Engineering and Get Certified as an ASQ-Certified Quality Engineer"

Schedule

Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation

► **Available delivery methods:** In-House Training

Introduction

Quality Engineers play a pivotal role in ensuring product and process excellence across industries. The ASQ Certified Quality Engineer (CQE) credential is globally recognized as a mark of excellence in quality engineering and process improvement. This course is designed to prepare participants for the ASQ CQE Certification Exam by providing in-depth coverage of the ASQ Body of Knowledge (BoK).

The program focuses on the principles of quality engineering, including quality management systems, statistical techniques, process improvement, design of experiments, reliability engineering, and auditing. Participants will gain a thorough understanding of analytical tools, quality control methods, and problem-solving approaches used to achieve consistent and measurable improvement in manufacturing and service environments.

Through real-world case studies, exercises, and exam practice sessions, this course builds both the technical and analytical skills required to succeed as a Certified Quality Engineer and lead quality assurance initiatives effectively.

Objectives

By the end of this course, participants will be able to:

- Understand and apply the ASQ CQE Body of Knowledge.
- Implement and manage quality systems and process controls.
- Use statistical and analytical tools to improve process performance.
- Identify and eliminate sources of variation in processes.
- Design effective quality improvement and reliability programs.
- Conduct audits and evaluate quality systems for compliance.
- Prepare confidently for the ASQ Certified Quality Engineer (CQE) exam.

Why Attend

Becoming an ASQ Certified Quality Engineer validates your expertise in quality assurance and process improvement. This preparation course equips you with the technical knowledge and confidence to pass the exam and apply quality engineering principles to real-world challenges.

Whether you are a practicing engineer, a quality manager, or an operations professional, this training enhances your professional credibility, broadens your career prospects, and strengthens your ability to lead quality initiatives across any organization.

Target Audience

This course is ideal for:

- Quality Engineers and Quality Managers
- Process and Manufacturing Engineers
- Reliability and Test Engineers
- Industrial and Production Engineers
- Quality Auditors and Analysts
- Professionals preparing for the ASQ CQE Certification Exam
- Anyone involved in process control, improvement, or compliance

Individual Benefits

- Gain a comprehensive understanding of quality engineering tools and practices.
- Strengthen your analytical and problem-solving skills.
- Prepare effectively for the ASQ CQE certification exam.
- Learn to apply statistical analysis for process improvement.
- Enhance your career opportunities in quality and operations management.
- Build confidence in managing quality systems and audits.

Organizational Benefits

- Improve product quality, reliability, and customer satisfaction.
- Reduce process variability, defects, and operational costs.
- Strengthen internal quality assurance and auditing systems.
- Foster a culture of continuous improvement and data-driven decisions.
- Ensure compliance with international quality standards.
- Develop certified professionals to lead organizational quality initiatives.

Instructional Methodology

The course blends theory and practical application through:

- Instructor-led interactive lectures
- Comprehensive review of ASQ CQE Body of Knowledge (BoK)
- Real-world case studies and group discussions
- Problem-solving and data analysis exercises
- Practice exams and test-taking strategies
- Continuous feedback and Q&A sessions for exam readiness

MAWA EVENTS

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Course Outline

Module 1: Management and Leadership

- Quality philosophies and foundations (Deming, Juran, Crosby, Feigenbaum)
- Quality management systems (ISO 9001, TQM, Baldrige Criteria)
- Strategic planning and organizational structures
- Leadership principles and team dynamics

Module 2: The Quality System

- Quality policies, goals, and objectives
- Document control and quality auditing
- Quality system evaluation and registration
- Supplier qualification and development

Module 3: Product and Process Design

- Product and process design control
- Design verification, validation, and review processes
- Design of Experiments (DOE) and Failure Modes and Effects Analysis (FMEA)
- Reliability, maintainability, and risk management principles

Module 4: Product and Process Control

- Control plans and standard operating procedures (SOPs)
- Process capability and performance analysis
- Statistical Process Control (SPC) and control charts
- Corrective and preventive action systems

Module 5: Continuous Improvement

- Lean principles and waste elimination
- Six Sigma methodology (DMAIC approach)
- Problem-solving and root cause analysis tools
- Benchmarking and process reengineering techniques

Module 6: Quantitative Methods and Tools

- Descriptive statistics, probability, and sampling techniques
- Regression analysis and hypothesis testing
- Control charts for variables and attributes
- Measurement system analysis (MSA) and gauge R&R studies

Module 7: Risk Management and Reliability

- Reliability modeling and prediction techniques
- Life data analysis and failure rate calculations
- Preventive and predictive maintenance programs
- Risk assessment and mitigation strategies

Module 8: Auditing and Compliance

- Internal and supplier audits
- Audit planning, execution, and reporting
- Corrective action follow-up and verification
- Compliance with international standards (ISO, ASQ, etc.)

Module 9: Preparation for the ASQ CQE Exam

- Review of key concepts from each BoK section
- Sample questions and mock exams
- Test-taking strategies and time management
- Final Q&A and readiness assessment

Certification

Upon successful completion, participants will receive a Certificate of Completion – ASQ Certified Quality Engineer (CQE) Exam Preparation Course.

This certification demonstrates the participant’s preparedness for the ASQ CQE exam and confirms a strong understanding of quality engineering concepts and practices. Earning the ASQ CQE credential showcases professional excellence and the ability to lead quality improvement initiatives within any industry.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

<p>In-House / Customized Training Interested in running this course for your team? Please contact us:</p>	<p>TEL: +601116373203</p>	<p>EMAIL: info@mawaevents.net</p>
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