

Course Title: CQI-Certified Quality Inspector

Duration: 5 days

Mode of Delivery: Online/ Classroom/ Onsite

Course Overview

The American Society for Quality (ASQ) grants professionals who satisfy certain requirements and pass a thorough exam the ASQ-Certified Quality Inspector (ASQ-CQI) designation. It confirms a person's thorough comprehension of the concepts and procedures of quality inspection, encompassing technical arithmetic, statistical methods, metrology, and calibration. Because of its emphasis on quality control and improvement, businesses from a variety of industries respect ASQ-CQI. ASQ-CQI-holding professionals utilize their knowledge to guarantee the quality of products and processes, assisting companies in meeting regulatory requirements, improving customer happiness, and increasing operational effectiveness. This internationally recognized accreditation has application in a range of industries, including the manufacturing, healthcare, and service sectors.

Course Prerequisites

1. The intended participants of ASQ-Certified Quality Inspector (ASQ-CQI) training are quality professionals, including auditors, inspectors, and staff members interested in improving processes or products and building their resumes. Personnel working in quality units or aspiring to work in the field of quality management in the manufacturing, service, healthcare, and engineering sectors can also benefit from this training
2. Furthermore, this course would be a great fit for anyone looking to gain a competitive advantage in the workforce by showcasing extraordinary quality knowledge. All things considered, non-quality professionals who possess the know-how, aptitude, and skills required to go into a quality position can profit from the practical instruction and certification offered by the ASQ - Certified Quality Inspector (ASQ- CQI) program.

Course Outline

Technical Mathematics

1. Basic Shop Math
2. Basic Algebra
3. Basic Geometry
4. Basic Trigonometry
5. Measurement Systems
6. Numeric Conversions

Metrology

1. Common Gauges and Measurement Instruments

2. Special Gauges and Applications

3. Gauge Selection, Handling and Use
4. Surface Plate Tools and Techniques
5. Specialized Inspection Equipment
6. Calibration
7. Measurement System Analysis (MSA)

Inspection and Test

1. Blueprints, Drawings, Geometric Dimensioning and Tolerancing (GD&T), and Model Based Definitions
2. Sampling
3. Inspection Planning and Processes
4. Testing Methods
5. Software for Test Equipment

Quality Assurance

1. Basic Statistics and Applications
2. Statistical Process Control (SPC)
3. Quality Improvement
4. Quality Audits
5. Quality Tools and Techniques
6. Problem – solving Tools and Continuous Improvement Techniques
7. Resource