



Quality Management & Operational Excellence

Certified Quality Inspector (CQI) Preparation

Course Introduction

The Certified Quality Inspector (CQI) is an inspector who, in support and under the direction of quality engineers, supervisors, or technicians, can use the proven techniques included in the body of knowledge. Under professional direction, the CQI evaluates hardware documentation, performs laboratory procedures, inspects products, measures process performance, records data, and prepares formal reports.

Target Audience

- practitioners in quality and audits
- Senior members and managers of organisations who need to understand the significance of training employees on quality management
- Quality team members
- Professionals aspiring to undertake a quality-related certification
- Construction project owners
- Design consultants
- Construction contractors
- Architects
- Non-engineering construction professionals

Learning Objectives

- Understand the content covered by the four main domains in the ASQ CQI BoK.
- Practice the concepts contained in the ASQ CQI BoK.
- Become familiar with questions similar to those on the ASQ CQI exam

Course Outline

- **01 DAY ONE**

TECHNICAL MATHEMATICS Basic Shop Math Basic Algebra Basic Geometry Basic Trigonometry Measurement Systems Numeric Conversions

- **02 DAY TWO**

METROLOGY

- Common Gauges and Measurement Instruments
- Special Gauges and Applications
- Gauge Selection, Handling and Use
- Surface Plate Tools and Techniques
- Specialized Inspection Equipment
- Calibration
- Measurement System Analysis (MSA)

- **03 DAY THREE**

INSPECTION AND TEST

- Blueprints, Drawings, Geometric Dimensioning and Tolerancing (GD&T), and Model-Based Definitions
- Sampling
- Inspection Planning and Processes
- Testing Methods
- Software for Test Equipment

- **04 DAY FOUR**

QUALITY ASSURANCE

- Basic Statistics and Applications
- Statistical Process Control (SPC)
- Quality Improvement
- Quality Audits

- **05 DAY FIVE**

QUALITY ASSURANCE (continuation)

- Quality Tools and Techniques
- Problem - solving Tools and Continuous Improvement Techniques
- Resources

Confirmed Sessions

FROM	TO	DURATION	FEEs	LOCATION
April 7, 2025	April 11, 2025	5 days	2150.00 \$	Virtual - Online
June 15, 2025	June 19, 2025	5 days	4250.00 \$	Morocco - Marakesh
Aug. 11, 2025	Aug. 15, 2025	5 days	4950.00 \$	Spain - Barcelona
Nov. 3, 2025	Nov. 7, 2025	5 days	4250.00 \$	UAE - Dubai