

WHY BECOME A CERTIFIED QUALITY INSPECTOR?

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

What Are the Core Competencies of a CQI?

- A broad overview of technical mathematics including algebra, geometry, trigonometry, measurement systems, and conversions between various numbering methods.
- The ability to identify, select, and use metrology gauges and instruments.
- Application of inspection processes using GD&T and traceability, as well as implementing testing methods such as destructive/nondestructive, functionality testing, and hardness testing.
- Understand how to optimize quality assurance using basic statistics, statistical process control (SPC), and process capability analysis (Cp, Cpk, Pp, Ppk).
- A comprehensive overview of quality audits, quality tools/techniques, and problem-solving tools such as plan-do-check-act (PDCA), define, measure, analyze, improve, control (DMAIC), and failure mode and effects analysis (FMEA).

What Is the Value to Your Company?

- Have confidence in the results from your test equipment and hardware.
- Reduce costs and brand damage associated with manufacturing errors.
- Improve processes through the application of quality tools.
- Increase customer satisfaction with steady, consistent, and quality output.

What Is the Value to You?

- Improved knowledge, skills, and abilities qualify you for more positions within modern business industries that require demonstrated competency in quality inspection.
- Increased earning potential: Certified Quality Inspectors with one to three years of experience make \$4,104 more per year than those without a certification.*

**Please see the current Quality Progress Salary Survey at: asq.org/qualityprogress/.*



Qualifications and Requirements for CQI Certification

Candidates must have two years of on-the-job experience in one or more of the areas of the ASQ CQI Body of Knowledge or equivalent experience through the apprenticeship program.

Education

A high-school diploma or GED or an additional three years of related on-the-job experience is necessary. Degrees or diplomas from education institutions outside the United States must be equivalent to degrees from U.S. educational institutions.

Quality Inspector Learning Resources and Certification Preparation

- Quality Inspector Certification Online Training
- *The Certified Quality Inspector Handbook, Second Edition*
- Inspection Division—an ASQ professional network

Recertification Required?

No, the CQI is a lifetime certification.

How to Enroll for Certification

Visit asq.org/cert

MARKETPLACE INFORMATION

COMMON JOB FUNCTIONS

Calibration Technician
Engineer
Inspector
Metrologist
QA Manager
Quality Engineer
Supervisor/Director

COMMON INDUSTRIES

Electrical Equipment Manufacturing
Fabricated Metal Production
Industrial/Commercial Machinery
Manufacturing
Medical Products/Services
Rubber/Plastic Production
Transportation/Automotive

Key Market Trends

- According to the Bureau of Labor Statistics, job opportunities in quality inspection are expected to rise, and candidates with improvement certifications will be most qualified for those positions.
- The calibration services market has promising steady growth; increased quality awareness, protective maintenance, and strict government regulations are the key factors influencing the market growth. Factors such as high competition and lack of skilled labor limit the market growth of the calibration services market.