

WHY BECOME A CERTIFIED QUALITY TECHNICIAN?

As a Certified Quality Technician (CQT) you will, in support of and under the direction of quality engineers or supervisors, analyze and solve quality problems, prepare inspection plans and instructions, select sampling plan applications, prepare procedures, train inspectors, perform audits, analyze quality costs and other quality data, and apply fundamental statistical methods for process control.

What Are the Core Competencies of a CQT?

- Application of quality concepts (e.g., Six Sigma, lean, cost of quality) and quality tools such as cause and effect diagrams, flowcharts, check sheets, Pareto charts, and scatter diagrams.
- Knowledge of statistical concepts including terminology (e.g., population, sample, parameter, statistical process control), frequency distributions (e.g., normal, Poisson, binomial frequency), and process capability measures (Cp, Cpk, CR).
- A broad overview of measurement and test equipment (M&TE) types, control, maintenance, and calibration.
- Understanding of inspection concepts, techniques, and processes, and how to apply them.
- The types, components, tools, and techniques associated with quality audits.
- Identification and application of corrective and preventive action (CAPA).

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. An improved skill set qualifies you for more positions within modern business environments.
- As a CQT, you have proven knowledge of a wide range of quality topics. This broad knowledge base can be beneficial in a variety of quality roles.



Qualifications and Requirements for CQT Certification

Candidates must have worked in a full-time, paid role (paid intern, co-op, or any other course work cannot be applied), have at least four years of higher education, and/or have work experiences in one or more of the areas of the Certified Quality Technician Body of Knowledge.

Education

Candidates who have completed a degree from a college, university, or technical school with accreditation accepted by ASQ will have part of the four-year experience requirement waived, as follows (only one of these waivers may be claimed):

- Certification through the quality technology program of a community college or vocational school—one year waived
- Associate’s degree—two years waived
- Bachelor’s, master’s, or doctorate degree—three years waived

Quality Technician Learning Resources and Certification Preparation

- Quality Technician Certification Preparation Training (on-site and online learning)
- *The Certified Quality Technician Handbook, Second Edition*
- Inspection Division—an ASQ professional network

Recertification Required?

- No, the CQT is a lifetime certification.

How to Enroll for Certification

Visit asq.org/cert

MARKETPLACE INFORMATION

COMMON JOB FUNCTIONS
Calibration Technician
Engineer
Inspector
Quality Assurance Manager
Quality Engineer
Quality Technician
Specialist
Supervisor

COMMON INDUSTRIES
Common Industries
Electrical
Fabricated Metal Production
Industrial/Commercial Machinery
Manufacturing
Mechanical
Medical Services
Rubber/Plastic Production
Transportation/Automotive

Key Market Trends

- Technical advances in manufacturing (e.g., automation, gate controlling) are requiring more qualified quality professionals to benchmark, improve, and control quality processes.