

Fundamentals of Quality

The **Fundamentals of Quality Certificate** will give you the map to layout before you and set your course in becoming a quality inspector. Topics will cover PDCA – Plan, Do, Check, Act, Introductions to Waste Reduction, Quality Gates and International Quality Standards in ISO 9001, TS16949, AS9100, & ISO 14001. After you receive your Fundamentals in Quality Certificate you will be able to set yourself apart from the competition for the job even if you started with no experience in Quality. The Fundamentals of Quality Certificate is one of four (4) certificates in the Quality Management Processes Pathway.

Non-Credit Course Code	Course Title	Hours	Days
CQLY 8173	Plan Do Check Act	8	1
CQLY 8172	Introduction to Waste Reduction	8	1
CQLY 8171	Introduction to Quality Gates	8	1
CQLY 8170	Introduction to International Quality Standards	16	2
A certificate of completion will be awarded to students who successfully complete the above courses.		40 hours	5 days

Plan, Do, Check, Act (PDCA) – CQLY 8173 – 8 hours

Prerequisite: None

You will learn the structured Plan-Do-Check-Act (PDCA) approach to problem solving. The PDCA problem solving process is a technique used to identify problems, analyze root causes and generate solutions. When combined with the basic quality tools, causes to business problems can be recognized and effective solutions can be put in place to prevent similar problems from recurring.

Introduction to Waste Reduction – CQLY 8172– 8 hours

Prerequisite: None

Understand the basics of the 5S Methodology: Sorting, Simplifying, Systematic Cleaning, Standardizing and Sustaining. Learn to discover, identify, eliminate and prevent waste using the 5S lean concepts and standardized work practices.

Introduction to Quality Gate – CQLY 8171– 8 hours

Prerequisite: None

Quality gates are designed to facilitate the detection, discussion and resolution of issues and problems through a collaborative effort to improve the quality of products. In this training, you will be introduced to the concept of Quality Gates, establishing one and the benefits of implementation.

Introduction to International Quality Standards – CQLY 8170– 16 hours

Prerequisite: None

This course will give an overview on the current industry International Quality Standards and review the differences between the Standards of ISO 9001:2015, TS16949, AS9100 & ISO14001.

Additional areas of Quality Management Processes training:

- AS9100
- CMM Levels I-III
- IATF 16949
- Internal Auditors
- Kaizen
- Laser Tracking
- Metrology
- Six Sigma Green Belt Certification
- TS – 16949/ISO 9100