# Quality Control Technician Competencies

## Required Competencies

**Safety**  
Understands and upholds safe workplace practices in a manufacturing environment.

**Organization**  
Conducts general housekeeping and cleanup. Maintains a tidy, organized workspace.

**Work Orders**  
Reads and interprets work orders to prepare for quality inspection and support of production.

**Technical Drawings**  
Reads and interprets technical drawings, including dimension, tolerance, and standards requirements.

**Technical Mathematics**  
Uses technical math including decimal to fraction conversion, metric to English measurement conversion, trigonometry, and statistics to complete work activities.

**Quality Inspection**  
Tests and inspects parts or products to evaluate whether they meet specifications.

**Reporting and Record Keeping**  
Records and maintains quality data. Analyzes data using statistical process control techniques.

**Quality Management System Standards**  
Understands and adheres to the relevant quality management system standards, such as ISO 9001, ISO 13485, and AS9100.

**Manufacturing Processes**  
Understands the organization’s primary manufacturing processes and how the processes are supported by quality control.

**Continuous Improvement**  
Supports the organization’s business goals through continuous improvement initiatives.

## Optional Competencies (choose one or more):

**Automated Measuring Systems**  
Sets up, programs, and operates automated measuring systems such as Coordinate Measuring Machines (CMMs).

**Geometric Dimensioning and Tolerancing (GD&T)**  
Understands GD&T principles and applies them to quality inspections.

**Fixtures**  
Designs and uses fixtures to inspect parts.