

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.