



PROFESSIONAL DEVELOPMENT

LEARNING PLANS FOR MANUFACTURING JOB ROLES

Online Training from MassMEP and Tooling U-SME offers a quick-start, progressive road map that allows manufacturers to build career paths for employees. This online training is intended to enhance your existing on the job training, to create a job progression plan and requires minimal preparation. It is efficient, effective training that has been developed with input from manufacturing experts.

FLEXIBLE AND CONVENIENT

Online classes are self-paced, typically taking 60 minutes to complete. They are easily and conveniently accessible on desktops and laptops, and on tablets and phones with the Tooling U-SME app.

QUALITY TECHNICIAN

Advanced Hole Inspection
Basic Measurement
Basics of Tolerance
Blueprint Reading
Calibration and Documentation
Calibration Fundamentals
Hole Standards and Inspection
In-Line Inspection Applications
Inspecting a Cylindrical Part
Inspecting a Prismatic Part
Inspecting with CMMs
Inspecting with Optical Comparators
Introduction to GD&T
Major Rules of GD&T
Surface Texture and Inspection
Thread Standards and Inspection
5S Overview
Lean Manufacturing Overview
SPC Overview

Essentials of Heat Treatment of Steel
Ferrous Metals
Hardness Testing
Introduction to Mechanical Properties
Band Saw Operation
Basic Cutting Theory
Cutting Processes
Introduction to Metal Cutting Fluids
Metal Cutting Fluid Safety
Overview of Machine Tools
ISO 9001 Review
Bloodborne Pathogens
Fire Safety and Prevention
Hand and Power Tool Safety
Intro to OSHA
Lockout/Tagout Procedures
Noise Reduction and Hearing Conservation

Personal Protective Equipment
Powered Industrial Truck Safety
Safety for Lifting Devices
SDS and Hazard Communication
Walking and Working Surfaces
Geometry:
Circles and Polygons
Geometry: Lines and Angles
Geometry: Triangles
Math Fundamentals
Math: Fractions and Decimals
Trigonometry: Sine, Cosine, Tangent
Units of Measurement

Online Training offers:

- Content developed by industry experts
- Accessible anytime, anywhere
- Self-paced
- Predefined curriculum for each job role
- Engaging and interactive content
- Pre- and post-training knowledge assessments
- Access to Tooling U-SME's Learning Management System (LMS)
- Guidance from our Client Success team, including advice, insights, and ideas built on best practices and years of experience