



VERMONT MANUFACTURING EXTENSION CENTER

## PROFESSIONAL DEVELOPMENT

### LEARNING PLANS FOR MANUFACTURING JOB ROLES

Training Packages from Tooling U-SME offer quick-start, progressive road maps in various functional areas that allow manufacturers to build career paths for employees. They are intended to enhance your existing OJT and help you create a job progression plan. Unlike many other training programs, these packages require minimal preparation. They are efficient, effective training, 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

New content is always being added.  
Check with your representative for the most current list of classes.