



The Council of Industry
The Manufacturers Association of the Hudson Valley

PROFESSIONAL DEVELOPMENT

LEARNING PLANS FOR MANUFACTURING JOB ROLES

Online Training from 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.

COMPOSITES PROCESSING FUNDAMENTALS

Math Fundamentals
Math: Fractions and Decimals
Units of Measurement
Basics of Tolerance
Blueprint Reading
Geometry: Lines and Angles
Geometry: Triangles
Geometry: Circles and Polygons
Trigonometry: Sine, Cosine, Tangent
Basic Measurement
Calibration Fundamentals
Hole Standards and Inspection
Thread Standards and Inspection
Intro to OSHA
Personal Protective Equipment
Noise Reduction and Hearing Conservation
Lockout/Tagout Procedures
SDS and Hazard Communication
Bloodborne Pathogens
Walking and Working Surfaces
Fire Safety and Prevention
Hand and Power Tool Safety

Safety for Lifting Devices
Powered Industrial Truck Safety
Introduction to Mechanical Properties
Lean Manufacturing Overview
ISO 9001:2015 Review
5S Overview
Cutting Processes
Band Saw Operation
Introduction to Composites
Safety for Composite Processing
Overview of Composite Processes
Traditional Composites
Advanced Thermoset Resins for Composites
Advanced Materials for Composites
Intro to Lay-up and Spray-up Molding
Intro to Compression Molding
Surface Finishing Composites
Vacuum Bagging Technique:
Single-sided Bagging
Composite Inspection and Defect Prevention
Repair Methods for Composites

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.