



PROFESSIONAL DEVELOPMENT

LEARNING PLANS FOR MANUFACTURING JOB ROLES

Online Training from the Center for Economic Growth 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.

COMPOSITES PROCESSING FUNDAMENTALS

Advanced Materials for Composites
Advanced Thermoset Resins for Composites
Composite Inspection and Defect Prevention
Intro to Compression Molding
Intro to Lay-up and Spray-up Molding
Overview of Composite Processes
Repair Methods for Composites
Safety for Composite Processing
Surface Finishing Composites
Traditional Composites
Vacuum Bagging Technique: Single-sided Bagging
Basic Measurement
Basics of Tolerance
Blueprint Reading
Calibration Fundamentals
Hole Standards and Inspection
Thread Standards and Inspection
5S Overview
Lean Manufacturing Overview
Introduction to Composites
Introduction to Mechanical Properties

Band Saw Operation
Cutting Processes
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