



## 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