



## PROFESSIONAL DEVELOPMENT

### LEARNING PLANS FOR MANUFACTURING JOB ROLES

Online Training from the Alliance for Manufacturing and Technology 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

Math Fundamentals	Safety for Lifting Devices
Math: Fractions and Decimals	Powered Industrial Truck Safety
Units of Measurement	Introduction to Mechanical Properties
Basics of Tolerance	Lean Manufacturing Overview
Blueprint Reading	ISO 9001:2015 Review
Geometry: Lines and Angles	5S Overview
Geometry: Triangles	Cutting Processes
Geometry: Circles and Polygons	Band Saw Operation
Trigonometry: Sine, Cosine, Tangent	Introduction to Composites
Basic Measurement	Safety for Composite Processing
Calibration Fundamentals	Overview of Composite Processes
Hole Standards and Inspection	Traditional Composites
Thread Standards and Inspection	Advanced Thermoset Resins for Composites
Intro to OSHA	Advanced Materials for Composites
Personal Protective Equipment	Intro to Lay-up and Spray-up Molding
Noise Reduction and Hearing Conservation	Intro to Compression Molding
Lockout/Tagout Procedures	Surface Finishing Composites
SDS and Hazard Communication	Vacuum Bagging Technique: Single-sided Bagging
Bloodborne Pathogens	Composite Inspection and Defect Prevention
Walking and Working Surfaces	Repair Methods for Composites
Fire Safety and Prevention	
Hand and Power Tool Safety	

New content is always being added.

Check with your representative for the most current list of classes.

## 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