**THE OHIO STATE UNIVERSITY**
COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES

**PROFESSIONAL DEVELOPMENT**

**LEARNING PLANS FOR MANUFACTURING JOB ROLES**

Online Training from The Ohio State University Business Training & Educational Services 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
- 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
- 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

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

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For more information, call Melanie Garcia, Corporate Training Account Executive, Wooster, OH 330.202.3524, or email garcia.301@osu.edu.