LEARNING PLANS FOR MANUFACTURING JOB ROLES

Online Training from Columbus State Community College 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: 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
- Flexion and Convenirnt

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

To begin your training program or for more information, call MEP at Columbus State at 614-287-5000 or email mep@csc.edu