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.

CAREER PATHWAYS FOR ASSEMBLY JOB ROLES

Combine job roles for learning pathways, or offer single job roles for targeted learning. Large comprehensive programs also available.
Choose a starting point based on employee’s experience or company goals for a quick-start training solution.

**ASSEMBLY**

Choose a starting point based on employee’s experience or company goals for a quick-start training solution.

**ASSEMBLER**

- Types of Adhesives
- Coating Defects
- Intro to Coating Composition
- Processes for Applying Coatings
- Surface Preparation for Coatings
- Introduction to Assembly
- Introduction to Fastener Threads
- Overview of Non-Threaded Fasteners
- Overview of Threaded Fasteners
- Safety for Assembly
- Tools for Threaded Fasteners
- Basic Measurement
- Basics of Tolerance
- Blueprint Reading
- Calibration Fundamentals
- Hole Standards and Inspection
- Thread Standards and Inspection
- 5S Overview
- Lean Manufacturing Overview
- Ferrous Metals
- Introduction to Mechanical Properties
- ISO 9001 Review
- Intro to Machine Rigging
- Rigging Equipment
- 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
- Math Fundamentals
- Math: Fractions and Decimals
- Units of Measurement

**ASSEMBLY MECHANIC**

- Basics of the Bonding Process
- Steps for Adhesive Application
- DC Circuit Components
- Electrical Units
- Introduction to Circuits
- Safety for Electrical Work
- Properties for Fasteners
- Fittings for Fluid Systems
- Introduction to Fluid Conductors
- Introduction to Hydraulic Components
- Introduction to Pneumatic Components
- Safety for Hydraulics and Pneumatics
- Introduction to GD&T
- Major Rules of GD&T
- Metrics for Lean
- Troubleshooting
- Introduction to Mechanical Systems
- Lubricant Fundamentals
- Safety for Mechanical Work
- Lifting and Moving Equipment
- Rigging Inspection and Safety
- Geometry: Circles and Polygons
- Geometry: Lines and Angles
- Trigonometry: Sine, Cosine, Tangent
- Overview of Soldering

---

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