



PROFESSIONAL DEVELOPMENT

LEARNING PLANS FOR MANUFACTURING JOB ROLES

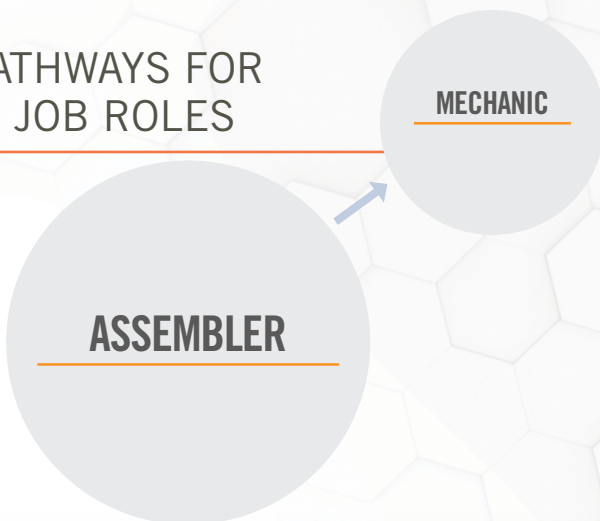
Online Training from Northwest State Community College and Tooling U-SME offers a quick-start, progressive road map that allows manufacturers to build career paths for employees. This online training is intended to enhance your existing on the job training, to create a job progression plan and requires 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.

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.



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

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

ASSEMBLY

ASSEMBLER Approximately 3 hours per month

Math Fundamentals
Math: Fractions and Decimals
Units of Measurement
Basics of Tolerance
Blueprint Reading
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
Ferrous Metals
Lead Manufacturing Overview

ISO 9001:2015 Review
5S Overview
Intro to Machine Rigging
Rigging Equipment
Types of Adhesives
Intro to Coating Composition
Surface Preparation for Coatings
Processes for Applying Coatings

Coating Defects
Intro to Assembly
Safety for Assembly
Intro to Fastener Threads
Overview of Threaded Fasteners
Tools for Threaded Fasteners
Overview of Non-Threaded Fasteners

MECHANIC Approximately 2 hours per month

Geometry: Lines and Angles
Geometry: Triangles
Geometry: Circles and Polygons
Trigonometry: Sine, Cosine, Tangent
Introduction to GD&T
Major Rules of GD&T

Troubleshooting
Metrics for Lean
Electrical Units
Safety for Electrical Work
Introduction to Circuits
DC Circuit Components

Introduction to Mechanical Systems
Safety for Mechanical Work
Safety for Hydraulics and Pneumatics
Introduction to Hydraulic Components
Introduction to Pneumatic Components

Introduction to Fluid Conductors
Fittings for Fluid Systems
Lubricant Fundamentals
Lifting and Moving Equipment
Rigging Inspection and Safety
Overview of Soldering

Basics of the Bonding Process
Steps for Adhesive Application
Properties for Fasteners

