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.

ADDITIVE MANUFACTURING FUNDAMENTALS

- Introduction to Additive Manufacturing
- Additive Manufacturing Safety
- The Basic Additive Manufacturing Process
- Design for Additive Manufacturing
- Additive Manufacturing Methods and Materials
- Integrating Additive Manufacturing with Traditional Manufacturing
- Additive Manufacturing as a Secondary Process
- Hardness Testing
- Approaches to Maintenance
- Total Productive Maintenance
- Inspecting with CMMs
- Introduction to Physical Properties
- Introduction to Mechanical Properties
- Introduction to Metals
- Classification of Steel
- Essentials of Heat Treatment of Steel
- Ferrous Metals
- Nonferrous Metals
- Exotic Alloys
- The Basics of Tolerance
- Blueprint Reading
- Basic Measurement
- Calibration Fundamentals
- Hole Standards and Inspection
- Thread Standards and Inspection
- Surface Texture and Inspection
- Introduction to GD&T
- Math Fundamentals 1
- Applied and Engineering Sciences
- Math: Fractions and Decimals
- Units of Measurement
- Manufacturing Process Applications: Part I
- Manufacturing Process Applications: Part II
- Lean Manufacturing Overview
- Continuous Process Improvement: Managing Flow
- Continuous Process Improvement: Identifying and Eliminating Waste

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