



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.

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
Threat 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