



## PROFESSIONAL DEVELOPMENT

### LEARNING PLANS FOR MANUFACTURING JOB ROLES

Training Packages from Tooling U-SME offer quick-start, progressive road maps in various functional areas that allow manufacturers to build career paths for employees. They are intended to enhance your existing OJT and help you create a job progression plan. Unlike many other training programs, these packages require minimal preparation. They are efficient, effective training, developed with input from manufacturing experts.

### FLEXIBLE AND CONVENIENT

Online classes are self-paced, typically taking 60 minutes to complete. On average, employees can progress through a job role in one year with as little as 4 hours a month spent online.

### ADDITIVE MANUFACTURING FUNDAMENTALS

Approximately 3 hours per month

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

### Online Training offers:

- Predefined curriculum for each job role
- Engaging and interactive online classes
- Supplemental videos and a reinforcement task for each class
- Pre- or post-training knowledge assessments
- Access to Tooling U-SME's LMS
- Guidance from our Client Success team, including advice, insights, and ideas built on best practices and years of experience