# FORMING, FABRICATING, STAMPING



MANUFACTURING

TECHNOLOGY

CENTER



#### 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. They are easily and conveniently accessible on desktops, laptops, tablets and phones.

## CAREER PATHWAYS FOR FORMING, FABRICATING AND STAMPING JOB ROLES

Combine job roles for learning pathways, or offer single job roles for targeted learning. Large comprehensive programs are also available.

> FORMING, FABRICATING & STAMPING **FUNDAMENTALS**

**PRESS OPERATOR** 

## Online Training offers:

- Content developed by industry experts
- Accessible anytime, anywhere
- Self-paced

**DIEMAKER** 

- Predefined curriculum for each iob role
- Engaging and interactive content
- Pre- and post-training knowledge assessments
- Guidance from our Client Success team, including advice, insights, and ideas built on best practices and years of experience





This is a self-paced, customized course offering. To get started, contact your MMTC Business Solutions Manager at inquiry@the-center.org, call 888.414.6682, or contact us at The-Center.org.

# FORMING, FABRICATING, STAMPING

### STAMPING/FORMING/FABRICATING FUNDAMENTALS

Basic Measurement
Basics of Tolerance
Blueprint Reading
Calibration Fundamentals
Hole Standards and Inspection
Thread Standards and Inspection
S. Overview

Lean Manufacturing Overview
Ferrous Metals
Introduction to Mechanical Properties
Introduction to Physical Properties
Band Saw Operation
ISO 9001 Review
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 Geometry: Circles and Polygons Geometry: Lines and Angles Geometry: Triangles Manufacturing Process Applications: Part I Math Fundamentals Math: Fractions and Decimals Trigonometry: Sine, Cosine, Tangent Units of Measurement

### PRESS OPERATOR

Electrical Units Introduction to Circuits Introduction to Hydraulic Components Introduction to GD&T Major Rules of GD&T Total Productive Maintenance Troubleshooting
Introduction to Mechanical Systems
Bending Fundamentals
Die Bending Operations
Operating the Press Brake
Press Brake Components

Press Brake Safety
Press Brake Specifications
Approaches to Maintenance
Coil Handling Equipment
Coil Loading Procedures
Die Components

Die Cutting Variables
Die Setting Procedures
Monitoring Press Operations
Press Basics
Punch and Die Operations
Stamping Safety

Essentials of Communication Essentials of Leadership Introduction to Workholding Supporting and Locating Principles

### **DIEMAKER**

Basic Grinding Theory
Basics of the Cylindrical Grinder
Basics of the Surface Grinder
Cylindrical Grinder Operation
Dressing and Truing
Grinding Ferrous Metals

Grinding Nonferrous Materials Grinding Processes Grinding Safety Grinding Variables Grinding Wheel Geometry Grinding Wheel Materials Introduction to Grinding Fluids
Setup for the Cylindrical Grinder
Setup for the Surface Grinder
Surface Grinder Operation
Calculations for Programming the Mill
Canned Cycles for the Mill

Creating a CNC Milling Program Holemaking on the Manual Mill Basic Cutting Theory Carbide Grade Selection Cutting Tool Materials Speed and Feed for the Lathe Speed and Feed for the Mill Material Tests for Welding

— New content is always being added. Check with your representative for the most current list of classes. —





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