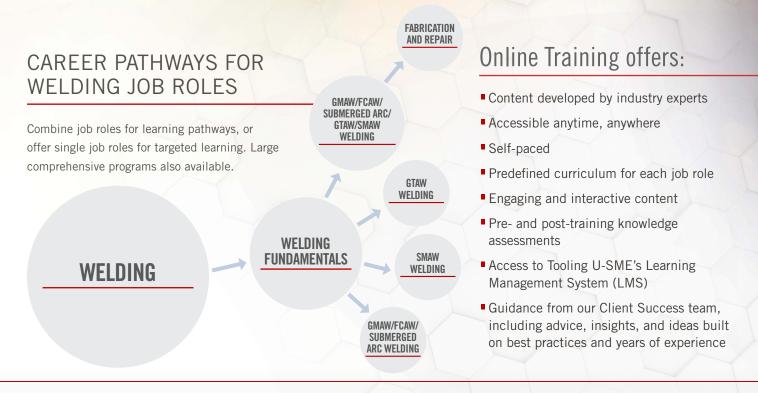


Online Training from The Ohio State University
Business Training & Educational Services and
Tooling U-SME offers a quick-start, progressive road
map that allows manufacturers to build career paths
for employees. This online training is intended to
enhance your existing on the job training, to create 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.







For more information, call Kim Sayers Director, BTES, 330.287-0100, or email sayers.1@osu.edu.

# WELDING

#### WELDING FUNDAMENTALS

Introduction to CAD and CAM for Machining Blueprint Reading Safety for Metal Cutting

Bloodborne Pathogens Confined Spaces

Environmental Safety Hazards

Fire Safety and Prevention Flammable/Combustible Liquids Hand and Power Tool Safety Intro to OSHA

Lockout/Tagout Procedures Machine Guarding

Noise Reduction and Hearing Conservation

Personal Protective Equipment Powered Industrial Truck Safety Respiratory Safety

Safety for Lifting Devices SDS and Hazard Communication

Walking and Working Surfaces Units of Measurement

Electrical Safety for Welding Geometry Fundamentals for Welding Math Fundamentals for Welding

Overview of Weld Defects Oxyfuel Cutting Applications Plasma Cutting PPF for Welding Thermal Cutting Overview

Welding Fumes and Gases Safety Welding Safety Essentials Welding Symbols and Codes

### **GMAW FCAW SUB ARC**

AC Fundamentals AC Power Sources Battery Selection Conductor Selection

DC Circuit Components DC Power Sources Electrical Instruments Electrical Print Reading

Electrical Units Introduction to Circuits Introduction to Magnetism NFC(R) Overview

Parallel Circuit Calculations Safety for Electrical Work Series Circuit Calculations

Total Productive Maintenance

Troubleshooting Ferrous Metals Introduction to Metals Nonferrous Metals Safety for Mechanical Work Approaches to Maintenance

Essentials of Communication Personal Effectiveness Advanced GMAW Applications Electrical Power for Arc Welding

FCAW Applications **GMAW Applications** Introduction to FCAW

Introduction to GMAW Introduction to Welding Introduction to Welding Processes Material Tests for Welding Overview of Weld Types Welding Ferrous Metals

#### **GTAW**

AC Fundamentals AC Power Sources Battery Selection Conductor Selection DC Circuit Components

DC Power Sources Flectrical Instruments Electrical Print Reading

Electrical Units Introduction to Circuits

Introduction to Magnetism NEC(R) Overview Parallel Circuit Calculations

Safety for Flectrical Work Series Circuit Calculations Total Productive Maintenance

Troubleshooting Classification of Steel Exotic Allovs

Introduction to Mechanical Properties Introduction to Metals

Introduction to Physical Properties

Nonferrous Metals Safety for Mechanical Work Approaches to Maintenance Essentials of Communication

Personal Effectiveness **GTAW Applications** 

Introduction to GTAW Introduction to Welding

Welding Nonferrous Metals

Introduction to Welding Processes Material Tests for Welding Overview of Weld Types Welding Ferrous Metals Welding Nonferrous Metals

### SMAW

AC Fundamentals AC Power Sources Battery Selection Conductor Selection DC Circuit Components DC Power Sources

Flectrical Instruments

Electrical Print Reading Electrical Units Introduction to Circuits Introduction to Magnetism NEC(R) Overview Parallel Circuit Calculations Safety for Flectrical Work

Series Circuit Calculations Total Productive Maintenance

Troubleshooting Ferrous Metals

Introduction to Mechanical Properties Introduction to Metals

Introduction to Physical Properties

Nonferrous Metals

Safety for Mechanical Work Approaches to Maintenance Essentials of Communication Personal Effectiveness

Electrical Power for Arc Welding Introduction to SMAW

Introduction to Welding Introduction to Welding Processes

Material Tests for Welding Overview of Weld Types SMAW Applications Welding Ferrous Metals Welding Nonferrous Metals

## FABRICATION AND REPAIR

Introduction to Assembly Safety for Assembly Classification of Steel Essentials of Heat Treatment of Steel Band Saw Operation Algebra Fundamentals

Applied and Engineering Sciences Geometry: Circles and Polygons Geometry: Lines and Angles Geometry: Triangles Math Fundamentals Math: Fractions and Decimals

Trigonometry: Sine Bar Applications Trigonometry: Sine, Cosine, Tangent Trigonometry: The Pythagorean

Conflict Resolution for Different

Conflict Resolution Principles Essentials of Leadership Team Leadership Fabrication Process Fixture Body Construction

Fixture Design Basics

Introduction to Workholding Locating Devices Supporting and Locating Principles

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

