PLASTICS PROCESSING



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. They are easily and conveniently accessible on desktops and laptops, and on tablets and phones with the Tooling U-SME app.

CAREER PATHWAYS FOR PLASTICS PROCESSING JOB ROLES

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

🔷 TOOLINGU | SME



Manufacturing Awareness

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

Contact Amy McClellan amcclellan@sscc.edu (937) 393-3431 ext. 3510

MOLD/ Extrusion

OPERATOR

MOLD MAKER

PLASTICS PROCESSING

PLASTICS PROCESSING FUNDAMENTALS

Basic Measurement Basics of Tolerance Blueprint Reading Calibration Fundamentals Hole Standards and Inspection Thread Standards and Inspection 5S Overview Lean Manufacturing Overview Introduction to Mechanical Properties Introduction to Plastics 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 Math Fundamentals Math: Fractions and Decimals Trigonometry: Sine, Cosine, Tangent Units of Measurement

MOLD EXTRUSION OPERATOR

Advanced Thermoset Resins for Composites Composite Inspection and Defect Prevention Intro to Compression Molding Electrical Units Safety for Electrical Work Fittings for Fluid Systems Introduction to Fluid Conductors Introduction to Hydraulic Components Introduction to Pneumatic Components Preventive Maintenance for Fluid Systems Safety for Hydraulics and Pneumatics The Forces of Fluid Power Thermoplastics Thermosets Forces of Machines Introduction to Mechanical Systems Safety for Mechanical Work Intro to Machine Rigging Rigging Equipment Rigging Inspection and Safety Rigging Mechanics

MOLD MAKER

Basics of the Cylindrical Grinder Basics of the Surface Grinder Cylindrical Grinder Operation Dressing and Truing Grinding Processes Grinding Safety Grinding Variables Grinding Wheel Geometry Grinding Wheel Materials Grinding Wheel Selection

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 Introduction to GD&T Major Rules of GD&T Troubleshooting Basic Cutting Theory Carbide Grade Selection Cutting Tool Materials Speed and Feed for the Lathe Speed and Feed for the Mill

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



OUTHERN STATE



Contact Amy McClellan amcclellan@sscc.edu (937) 393-3431 ext. 3510