



PROFESSIONAL DEVELOPMENT

LEARNING PLANS FOR MANUFACTURING JOB ROLES

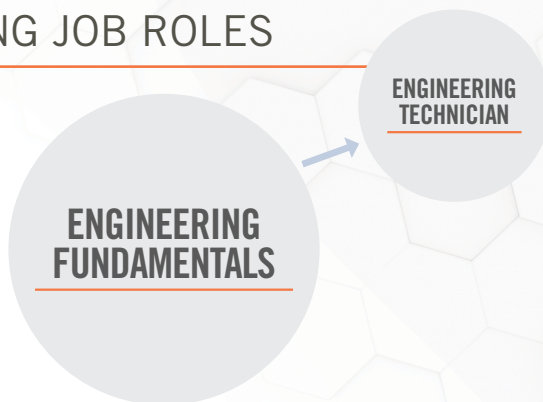
Training Packages from Tooling U-SME offer quick-start, progressive road maps in various functional areas that allow manufacturers to build career paths for employees. They are intended to enhance your existing OJT and help you create a job progression plan. Unlike many other training programs, these 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 ENGINEERING JOB ROLES

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



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

Choose a starting point based on employee's experience or company goals for a quick-start training solution.

ENGINEERING

ENGINEERING FUNDAMENTALS

| | | | | |
|--|--------------------------|---------------------------------------|-------------------------------------|---------------------------------------|
| Additive Manufacturing Methods and Materials | DC Circuit Components | Lean Manufacturing Overview | Introduction to Physical Properties | Geometry: Triangles |
| Additive Manufacturing Safety | Electrical Units | Essentials of Heat Treatment of Steel | Introduction to Plastics | Statistics |
| Introduction to Additive Manufacturing | Introduction to Circuits | Introduction to Ceramics | Cutting Processes | Trigonometry: Sine, Cosine, Tangent |
| Introduction to CAD and CAM for Machining | Introduction to Assembly | Introduction to Composites | Algebra Fundamentals | Trigonometry: The Pythagorean Theorem |
| AC Fundamentals | Basics of Tolerance | Introduction to Mechanical Properties | Geometry: Circles and Polygons | Units of Measurement |
| | Blueprint Reading | Introduction to Metals | Geometry: Lines and Angles | |

ENGINEERING TECHNICIAN

| | | | | |
|--------------------------------------|-------------------------------|---|--|---|
| Basics of G Code Programming | Classification of Steel | Mill Tool Geometry | ISO 9001 Review | Manufacturing Process Applications: Part I |
| Parallel Circuit Calculations | Ferrous Metals | Basics of Ladder Logic | Process Design and Development | Manufacturing Process Applications: Part II |
| Series Circuit Calculations | Hardness Testing | Introduction to PLCs | Product Design and Development | Punch and Die Operations |
| Introduction to Hydraulic Components | Nonferrous Metals | PLC Timers and Counters | Production System Design and Development | Manufacturing Management |
| Introduction to Pneumatic Components | Thermoplastics | Basic Ladder Diagram Programming for Siemens PLCs | Quality and Customer Service | Personal Effectiveness |
| The Forces of Fluid Power | Thermosets | Basics of Siemens PLCs | Automated Systems and Control | Introduction to Welding Processes |
| Introduction to GD&T | Forces of Machines | Siemens PLC Communication | Hand and Power Tool Safety | Fixture Design Basics |
| SPC Overview | Power Transmission Components | Equipment/Tool Design and Development | Applied and Engineering Sciences | Supporting and Locating Principles |
| Troubleshooting | Drill Tool Geometry | | | |
| | Lathe Tool Geometry | | | |

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

