

Developing Your Manufacturing Workforce



WMEP
MANUFACTURING
SOLUTIONS

ADVOCATING FOR THE MANUFACTURING SECTOR ACROSS NORTH AMERICA

INNOVATING THROUGH TECHNOLOGY & PEOPLE



Events

sme.org/events

SME produces premier manufacturing events across North America to help companies showcase their capabilities and connect customers to solutions. 90,000+ manufacturers attend SME events annually.



Media

sme.org/smemedia

A leading source for news and in-depth technical information about advanced manufacturing in North America. SME Media serves an audience of more than 290,000 manufacturing professionals.



Membership

sme.org/join

Providing manufacturing practitioners with unparalleled opportunities to connect with peers, gain knowledge related to technology and trends, solve problems and participate in leadership opportunities.



Education Foundation

smeef.org

Dedicated to developing, building and advancing the next generation of manufacturing and engineering workforce. SME Education Foundation has invested more than \$11 million in youth programs, helping over 60,000 students.



Tooling U-SME

toolingu.com

A learning and development organization dedicated to helping thousands of Manufacturers and schools by delivering structured and sustainable training programs aligned to their goals in the most practical, consumable and customized way.



WISCONSIN MANUFACTURING FACTS (2022)

- Account for **16.6%** (over \$65.7 Billion) of total output in the state
- Employs **484,000** overall workers across 8,000 manufacturers
- Average annual compensation = almost **\$ 84,475**



[National Association of Manufacturers | NAM](#)

Manufacturing Employment

1. California
2. Texas
3. Ohio
4. Michigan
5. Illinois
6. Pennsylvania
7. Indiana
- 8. Wisconsin**
9. North Carolina
10. New York





MANUFACTURING JOB MARKET DATA

Top 10 in-demand Occupations

United States

Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	211,838
Software Developers	185,077
Production Workers, All Other	179,485
Retail Salespersons	172,035
Laborers and Freight, Stock, and Material Movers, Hand	163,607
Industrial Engineering Technologists and Technicians	158,955
Managers, All Other	150,407
Maintenance and Repair Workers, General	146,002
Computer Occupations, All Other	144,989
First-Line Supervisors of Retail Sales Workers	120,059

Wisconsin

Production Workers, All Other	8,346
Laborers and Freight, Stock, and Material Movers, Hand	7,450
Industrial Engineering Technologists and Technicians	7,357
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	6,045
Maintenance and Repair Workers, General	4,970
First-Line Supervisors of Production and Operating Workers	4,468
Customer Service Representatives	4,052
Industrial Engineers	3,907
Inspectors, Testers, Sorters, Samplers, and Weighers	3,757
Managers, All Other	3,723



MANUFACTURING JOB MARKET DATA

Top 10 in-demand Employers

Stoughton Trailers	8,848
Kohler	4,047
Generac Power Systems	3,412
Rockwell Automation	3,264
Menard	2,449
Kimberly-Clark	3,164
Oshkosh Corporation	1,573
Sherwin-Williams	1,463
Plexus	1,305
Saputo Cheese USA	1,473

Top 8 Cities

Milwaukee, WI	27,801
Madison, WI	13,077
Green Bay, WI	8,596
Waukesha, WI	6,784
Appleton, WI	5,805
Neenah, WI	4,887
Menomonee Falls, WI	5,199
Oshkosh, WI	3,581



DEVELOPING THE MANUFACTURING WORKFORCE

- Growing and diversifying the talent pipeline
- Educating and upskilling the current workforce in emerging and advanced manufacturing technologies
- Accelerating workforce development through collaboration and sharing of best practices





TRANSFORMING MANUFACTURING WORKFORCE



TRAINING IS AN INVESTMENT IN BETTER. AN INVESTMENT IN THE FUTURE.



OTHER PARTNERS:

- Economic Development Agencies
- Workforce Development Agencies
- Community Based Organizations
- Manufacturing Associations
- Manufacturing Extension Partnerships (MEPs)

OUR CORPORATE PARTNERS

Companies we have worked with to build a highly trained manufacturing workforce include:

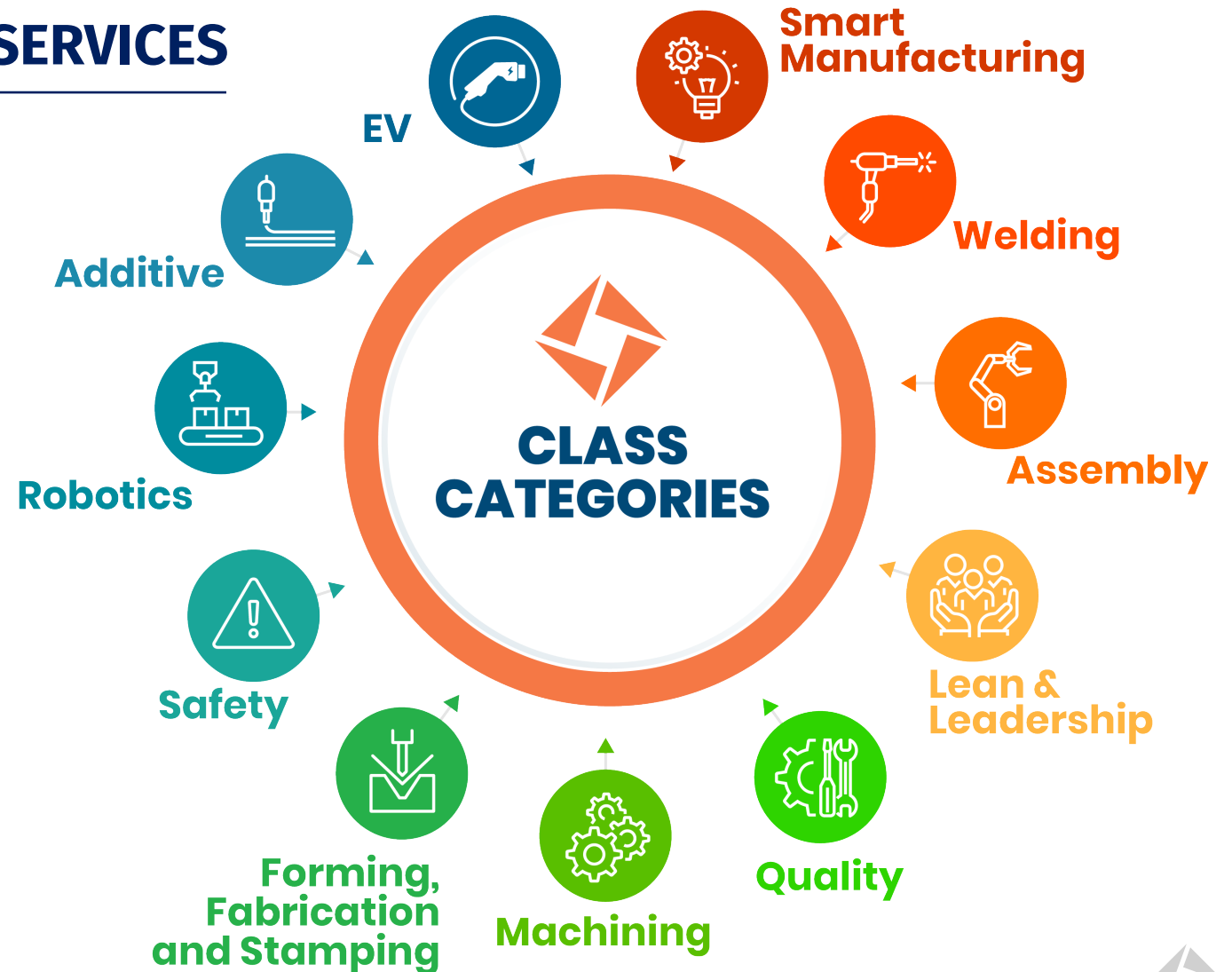


We work with manufacturers of all sizes, building workforce solutions across the industry from aerospace to automotive to defense. How can we help you build a capable and inspired workforce to get you where you want to go?

TOOLING U-SME'S PRODUCTS & SERVICES

Flexible, Industry Driven

- **Online Classes**
- **Assessments**
- **National Certifications**
- **Apprenticeships and Pre-Apprenticeships**
- **Virtual Reality (VR)**
- **Custom Content**
- **Instructor Led Classes**
- **Learning Services**





PROFESSIONAL DEVELOPMENT

LEARNING PLANS FOR MANUFACTURING JOB ROLES

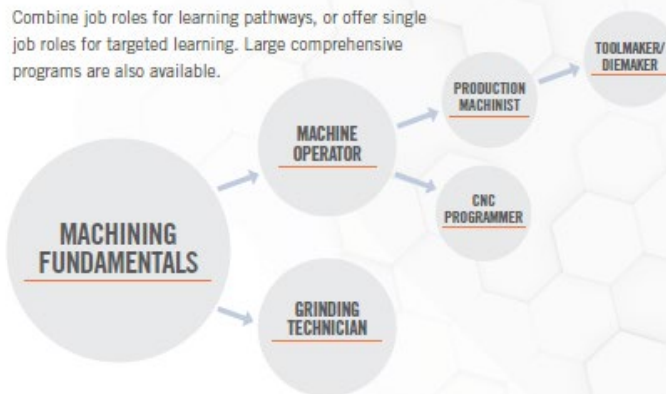
Training Packages from Tooling U-SME offer quick-start, progressive road maps in various functional areas that allow manufacturers to build career paths for employees. They are intended to enhance your existing OJT and help you create a job progression plan. Unlike many other training programs, these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



PROFESSIONAL DEVELOPMENT

LEARNING PLANS FOR MANUFACTURING JOB ROLES

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CAREER PATHWAYS FOR MECHATRONICS JOB ROLES

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



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- Predefined curriculum for each job role
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HOW CAN MANUFACTURERS BENEFIT FROM ONLINE LEARNING?



Onboard New Employees



Custom Online Learning Packages



Blended/Hybrid Delivery



Compliance Training (i.e. OSHA)



Apprenticeships



Industry Certifications



Certification Pathways



APPRENTICESHIP FRAMEWORKS

Workforce Development Solutions



Pairs OJT with RTI providing guided learning pathways



Supports common apprenticeship job functions.



Flexible model offering easily accessible solutions in alignment with business needs.



Aligned with nationally recognized Department of Labor (DOL) apprenticeship programs

CNC Machinist

Industrial Maintenance Technician

Toolmaker

Welder

Tool and Die Technician

Mechatronics Technician

Robotics Technician



WHAT MAKES TOOLING U-SME DIFFERENT?



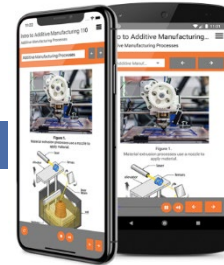
Industry Driven Content

All courses designed and developed with guidance from Industry Subject Matter Experts.



Learning Management System (LMS)

LMS can manage and track learning initiatives



Mobile Access

Courses can be taken on tablet or smartphone (iPhone & Android) by downloading the Tooling U-SME app



Client Success Management

Supporting clients throughout the entire training implementation





2024

INDIVIDUAL SUBSCRIPTIONS

Type of Subscription	Length
10-pack (10 courses)	365-days
All-Access	90-days
All-Access	180-days
All-Access	365-days

- Individual Start/End date
- Access to Tooling U-SME's LMS

ANNUAL SITE LICENSE (ALL ACCESS)

# of Users	Length
50-99	365-days
100-499	365-days
500-999	365-days
1000+	365-days

- Shared Start/End date for all Users
- Access to Tooling U-SME's LMS
- 3rd Party LMS Integration Option
- Minimum 50 Users

LIMITED FREE TRIAL ACCOUNT

- Free Trial Account (FTA)
- Identify high-priority manufacturers
- Information to share with Wisconsin MEP:
 - Company name & location
 - Main contact name
 - Main contact email address
 - Identify area(s) of interest



Functional Areas:

- Abrasives
- Additive
- Assembly-Fasteners
- CNC Machining
- Composites
- Electric Vehicle Manufacturing
- Electrical Systems
- Energy Storage
- Hydraulics-Pneumatics
- IIoT-CyberSecurity
- Inspection
- Leadership
- Lean-Quality
- Manual Machining
- Materials
- Mechanical Systems
- Metal Cutting
- Motor Controls
- PLCs
- Robotics
- Safety
- Stamping-Press Brake
- Shop Math
- Welding



THANK YOU

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