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Date: 11/10/20

For Initial Certification or Recertification by WIB

Provider:

Program Name	Certified Manufacturing Associate Training Program
Program Description	<p>The Certified Manufacturing Associate training program helps prepare dislocated workers, underemployed individuals, veterans, and more start a new career in manufacturing. The 25-class online training program is bundled with the nationally recognized Certified Manufacturing Associate credential. This training program prepares individuals for high-demand, entry-level careers including assemblers, manufacturing associates, and production operators.</p> <p>The information is presented in an engaging and interactive format for maximum effectiveness, and pre-and post-assessments measure a student’s increased knowledge. Classes are self-paced, typically taking 60 minutes to complete. The 25 class training program can be completed in less than a few weeks.</p>
Credit Hours	
Weeks to complete program	90 Days
Primary Goal	SME Certified Manufacturing Associate Credential
Program offerings	25 – 1 hour classes offered online. Customers have 90 days to complete all the courses
Costs:	
Tuition	\$120.00
Books	\$0.00
Fees	\$0.00
Tests	\$125.00
Other Expenses (Materials, Supplies, Tools, Uniforms, etc.)	\$0.00
TOTAL COST	\$245.00
Financial Aid	No
Year Program established	2020
Location where offered	Online
Demand occupation / O-Net Code	51-9198; 51-9199; 17-3029



CERTIFIED MANUFACTURING ASSOCIATE

Comprehensive Training Program

DEVELOP THE SKILLS NECESSARY FOR A SUCCESSFUL CAREER IN MANUFACTURING

The Certified Manufacturing Associate training program helps prepare dislocated workers, underemployed individuals, veterans, and more start a new career in manufacturing. The 25-class online training program from Tooling U-SME can be bundled with the nationally recognized Certified Manufacturing Associate credential. This training program prepares individuals for high-demand, entry-level careers including assemblers, manufacturing associates, and production operators. It can also be used by manufacturers as an effective onboarding program for new employees.

SHORT-TERM, COMPREHENSIVE TRAINING

Online classes from Tooling U-SME provide the best manufacturing content developed by industry experts. The information is presented in an engaging and interactive format for maximum effectiveness, and pre-and post-assessments measure a student's increased knowledge.

Classes are self-paced, typically taking 60 minutes to complete. The 25-class training program can be completed in less than a few weeks. They are conveniently accessible anytime, anywhere on desktops and laptops, and on tablets and phones with the Tooling U-SME app.

BUILD A COMPREHENSIVE FOUNDATION OF KNOWLEDGE

This program introduces basic concepts in the areas needed for a successful career as a Certified Manufacturing Associate:

- Additive Manufacturing
- Blueprint Reading
- CNC
- Inspection
- Lean
- Math Fundamentals
- Measurement and Inspection
- Quality
- Robotics
- Safety
- Troubleshooting

EARN A NATIONALLY RECOGNIZED CERTIFICATION

The SME Certified Manufacturing Associate (CMfgA) credential demonstrates that an individual has foundational manufacturing knowledge and may be an ideal candidate for entry-level employment. It is the first step toward a lifelong career in an industry where there is opportunity for advancement and well-paying jobs.

sme.org/cmfga

Entry-Level Careers in Manufacturing

The **Certified Manufacturing Associate** credential prepares individuals for careers in manufacturing, including the following in-demand job roles:

Production Worker




Production Workers are responsible for assembly, machining, quality checks, tool changes, and problem solving of manufacturing processes and equipment.

In the last **12 months**, there were

 **89,782** job postings nationally for **Production Workers**.

Job openings for **Production Workers** are expected to grow

4.4%  over the next **10 years**.

The average national salary range for

 **Production Workers** is **\$24,000 – \$30,000***

Laborer/Warehouse Worker




Warehouse Workers are responsible for picking and shipping parts from a warehouse. This includes staging, loading, unloading, stocking and maintaining the warehouse inventory.

In the last **12 months**, there were

 **60,762** job postings nationally for **Laborer/Warehouse Workers**.

Job openings for **Laborer/Warehouse Workers** are expected to grow

7.6%  over the next **10 years**.

The average national salary range for

 **Laborer/Warehouse Workers** is **\$24,000 – \$28,000***

Manufacturing/Production Technician




Production Technicians ensure that a quality product is delivered quickly and according to safety, environmental, and health procedures and regulations. These individuals set up, start up, operate, and shut down manufacturing equipment. They inspect products to ensure quality, and may calibrate or adjust equipment and machinery settings in order to produce the desired product.


In the last **12 months**, there were

 **21,436** job postings nationally for **Manufacturing/Production Technicians**.

Job openings for **Manufacturing/Production Technicians** are expected to grow

5.2%  over the next **10 years**.

The average national salary range for

 **Manufacturing/Production Technicians** is **\$32,000 – \$42,000***



CERTIFIED MANUFACTURING ASSOCIATE TRAINING PROGRAM

Complete Class List

Class Name

Introduction to Additive Manufacturing 111
Introduction to CNC Machines 201
Introduction to Assembly 101
Safety for Assembly 211
Tools for Threaded Fasteners 235
Basic Measurement 101
Basics of Tolerance 121
Blueprint Reading 131
5S Overview 151
Troubleshooting 181
Quality Overview 111
Introduction to Robotics 201
Robot Safety 211

Class Name

Bloodborne Pathogens 161
Intro to OSHA 101
Ergonomics 102
Personal Protective Equipment 111
Lockout/Tagout Procedures 141
SDS and Hazard Communication 151
Hand and Power Tool Safety 201
Fire Safety and Prevention 181
Math Fundamentals 101
Math: Fractions and Decimals 111
Units of Measurement 112
Lean Manufacturing Overview 101

ENTRY-LEVEL CAREERS IN MANUFACTURING

The **Certified Manufacturing Associate** may qualify individuals for careers in manufacturing, including the following in-demand job roles:

Production Worker



Production Workers are responsible for assembly, machining, quality checks, tool changes, and problem solving of manufacturing processes and equipment.

In the last **12 months**, there were



89,782

job postings nationally for **Production Workers**.

Job openings for **Production Workers** are expected to grow



over the next **10 years**.



The average national salary range for **Production Workers** is

\$24,000 - \$30,000*

Laborer/Warehouse Worker



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The average national salary range for **Manufacturing/Production Technicians** is

\$32,000 - \$42,000*

Source: Bureau of Labor Statistics, Bureau of Economic Analysis

*Salary information varies greatly by region.

Manufacturing Certifications to Support Career Pathway

The **SME Certified Manufacturing Associate (CMfgA)** is the only certification focused on foundational manufacturing concepts and that demonstrates an individual's potential for high-demand, entry-level careers in manufacturing. The credential can help individuals begin a lifelong career in an industry where there is opportunity for advancement and well-paying jobs.

After earning the **Certified Manufacturing Associate** credential, individuals can explore available career pathways in manufacturing. With the CMfgA credential as a strong foundation, an employee can continue with on-the-job training and further education to move along a career pathway.

