

# CERTIFIED MANUFACTURING ASSOCIATE (CMfgA)



# GENEDGE

## CERTIFICATION

### 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 will help employees prepare for the certification exam. 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](http://sme.org/cmfga)



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

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## CERTIFIED MANUFACTURING ASSOCIATE TRAINING PROGRAM

### Complete Class List

- Introduction to Additive Manufacturing
- Introduction to CNC Machines
- Introduction to Assembly
- Safety for Assembly
- Tools for Threaded Fasteners
- Basic Measurement
- Basics of Tolerance
- Blueprint Reading
- 5S Overview
- Troubleshooting
- Quality Overview
- Introduction to Robotics
- Robot Safety
- Bloodborne Pathogens
- Intro to OSHA
- Ergonomics
- Personal Protective Equipment
- Lockout/Tagout Procedures
- SDS and Hazard Communication
- Hand and Power Tool Safety
- Fire Safety and Prevention
- Math Fundamentals
- Math: Fractions and Decimals
- Units of Measurement
- Lean Manufacturing Overview