

# 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	Measurement and Inspection
Blueprint Reading	Quality
CNC	Robotics
Inspection	Safety
Lean	Troubleshooting
Math Fundamentals	

### 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)



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## Complete Class List

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

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