



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



CERTIFIED MANUFACTURING ASSOCIATE TRAINING PROGRAM

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