



# 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 28-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 28-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 & Inspection |
| Blueprint Reading      | Robotics                 |
| CNC                    | Lean                     |
| Inspection             | Safety Trouble Shooting  |
| Math Fundamentals      | Smart Manufacturing      |
| Quality                | Workforce Essentials     |

### EARN A NATIONALLY RECOGNIZED CERTIFICATION

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

### GAIN VISIBILITY WITH A DIGITAL BADGE

Upon passing the certification exam, individuals will earn a digital badge, providing enhanced opportunities to share their qualifications and get discovered by employers.





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## Complete Class List

|  |   |
|--|---|
| Introduction to Additive Manufacturing 111 | Fire Safety and Prevention 181          |
| Introduction to CNC Machines 201           | Hand and Power Tool Safety 201          |
| Introduction to Assembly 101               | Machine Guarding 271                    |
| Safety for Assembly 211                    | Math Fundamentals 101                   |
| Tools for Threaded Fasteners 235           | Math: Fractions and Decimals 111        |
| Basic Measurement 101                      | Units of Measurement 112                |
| Basics of Tolerance 121                    | Lean Manufacturing Overview 101         |
| Blueprint Reading 131                      | Overview of Machine Tools 121           |
| 5S Overview 151                            | Essentials of Communication 115         |
| Troubleshooting 181                        | Introduction to Smart Manufacturing 100 |
| Quality Overview 111                       | Safety Awareness in Manufacturing*      |
| Introduction to Robotics 201               | 5S and Hand Tool Identification*        |
| Robot Safety 211                           | Power Tool Safety*                      |
| Introduction to OSHA 101                   | Assembly with Mechanical Fasteners*     |
| Personal Protective Equipment 111          | Hand Tool Safety*                       |
| Lockout/Tagout Procedures 141              | Lockout Tagout Procedures*              |
| SDS and Hazard Communication 151           |   |
| Bloodborne Pathogens 161                   |   |

\* Optional Virtual Labs