CERTIFIED ADDITIVE MANUFACTURING FUNDAMENTALS (CAM-F)

MANUFACTURER'S EDGE

CERTIFICATION

DEVELOP THE SKILLS NECESSARY FOR A SUCCESSFUL CAREER IN ADDITIVE MANUFACTURING

To help meet the high demand for additive manufacturing talent in our country, Tooling U-SME introduced The Certified Additive Manufacturing – Fundamentals (CAM-F). The Fundamentals certification is ideal for individuals working in or seeking to work in additive manufacturing roles in automotive, aerospace, and medical equipment. It is also ideal for high schools and colleges as a capstone or stand-alone achievement to increase workforce readiness in additive manufacturing.

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 certification focuses on the basics of additive manufacturing, including a comprehensive overview of additive manufacturing, the seven additive manufacturing technologies, and basic safety guidelines:

- Additive Manufacturing
- Design for Additive Manufacturing
- Binder and Material Jetting
- Sheet Lamination
- Prototype and Production
- Math Fundamentals
- Safety

EARN A NATIONALLY RECOGNIZED CERTIFICATION

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sme.org/training/additive-manufacturing-certification

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

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Suggested order to complete the 25-online courses (5-pack bundle approach):

Introduction to CNC Machines **201**

Introduction to Robotics **201**

Introduction to Assembly **101**

Introduction to Additive Manufacturing **111**

Tools for Threaded Fasteners **235**

5S Overview **151**

Lean Manufacturing Overview **101**

Quality Overview **111**

Troubleshooting **181**

Blueprint Reading **131**

Basic Measurement **101**

Units of Measurement **112**

Math Fundamentals **101**

Math: Fractions and Decimals **111**

Basics of Tolerance **121**

Intro to OSHA **101**

Ergonomics **102**

Personal Protective Equipment **111**

Hand and Power Tool Safety **201**

Fire Safety & Prevention **181**

Bloodborne Pathogens **161**

Safety for Assembly **211**

Robot Safety **211**

Lockout/Tagout Procedures **141**

SDS and Hazard Communication **151**