CERTIFIED ADDITIVE MANUFACTURING FUNDAMENTALS (CAMF)

Comprehensive Training Program

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 (CAMF). 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 20-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 to Production
- Math Fundamentals
- Safety

EARN AN INDUSTRY-DRIVEN CERTIFICATION

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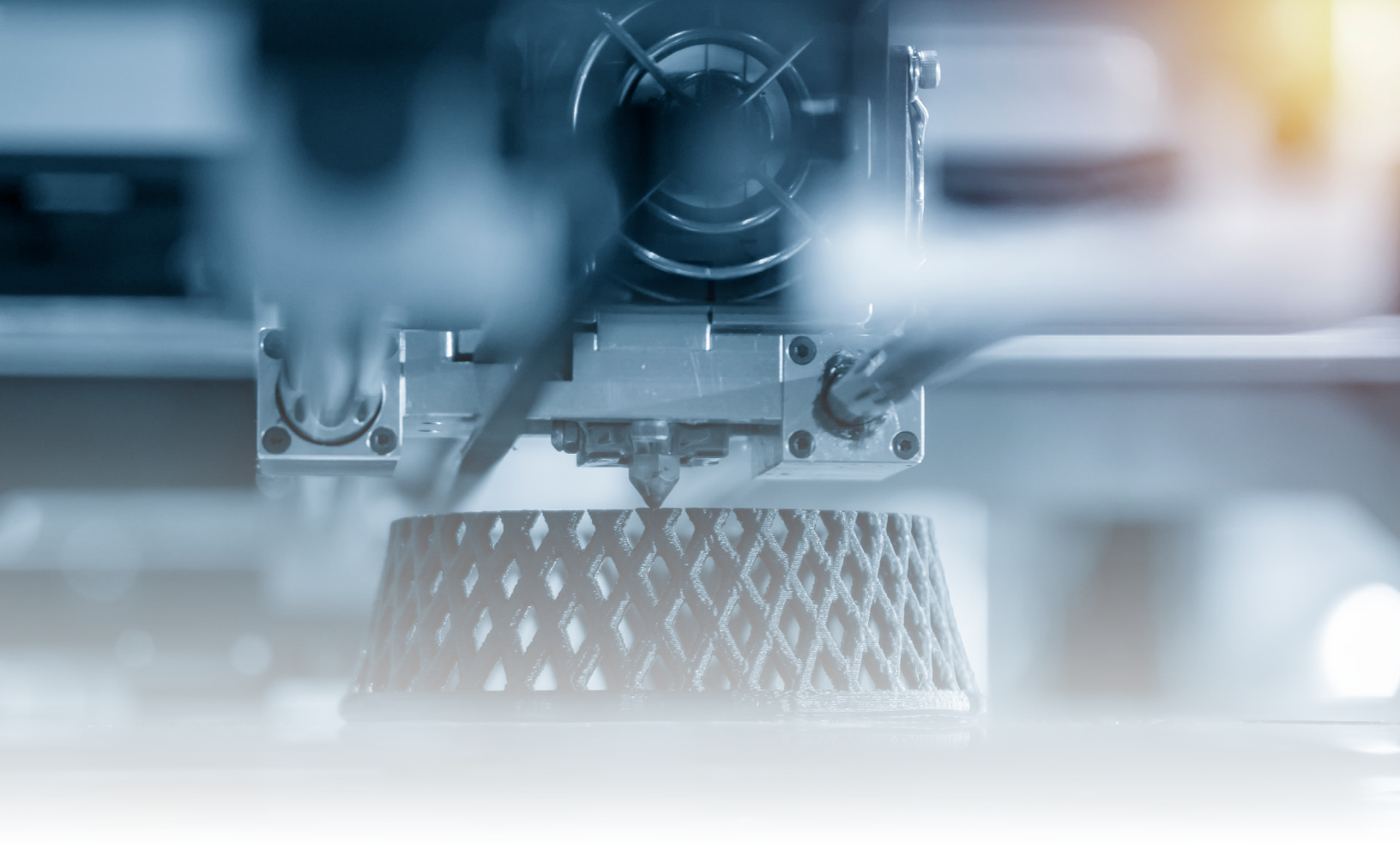

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Suggested order of Classes (20):

Introduction to Additive Manufacturing 111
Additive Manufacturing Safety 121
The Basic Additive Manufacturing Process 131
Additive Manufacturing Methods and Materials 141
Introduction to Hybrid Manufacturing 151

Math Fundamentals 101
Algebra Fundamentals 141
Additive Manufacturing: Prototype to Production 162
Design for Additive Manufacturing 201
Additive Manufacturing Materials Science 211

Integrating Additive Manufacturing with Traditional Manufacturing 221
Additive Manufacturing as a Secondary Process 231
Reverse Engineering for Additive Manufacturing 242
Design for Fused Deposition Modeling 301
Design for Material Jetting 302

Design for Directed Energy Deposition 303
Design for Laser Powder Bed Fusion 304
Design for Vat Photopolymerization 305
Design for Binder Jetting 306
Design for Sheet Lamination 307