

# PRODUCTION TECHNOLOGIST ASSOCIATE APPRENTICESHIP PROGRAM

## Program Overview

### FOUNDATIONAL MANUFACTURING APPRENTICESHIP TRAINING PROGRAM

#### DEVELOP A SKILLED WORKFORCE TO MEET YOUR PRODUCTION NEEDS

The Production Technologist Associate is a fast track, short term, one year registered apprenticeship program which focuses on basic manufacturing concepts for high-demand, entry-level manufacturing production and assembly roles. It is designed for individuals new to manufacturing who may not currently possess enough knowledge or experience for more advanced technical occupations. It covers fundamental topics such as shop math, assembly, maintenance, machining, inspection, and more.

The 146 hours of Related Technical Instruction (RTI) contains 25 courses that prepares apprentices to earn the industry driven CMfgA certification which validates their basic knowledge of manufacturing. In addition the RTI includes 45 hours of Industrial Production Technologies related classes which is curated by the employer to be specific their company's upskilling needs. Prior to starting the RTI coursework, 45 hours will be chosen by each participating Employer from a list of related ToolingU courses.

#### 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 an apprentice's increase in knowledge. Students gain 24/7 access to self-paced Related Technical Instructional (RTI) through an app available for phone and tablets.



#### APPRENTICES BUILD A COMPREHENSIVE FOUNDATION OF KNOWLEDGE

This program introduces basic concepts in the areas needed for a successful career as a Manufacturing Associate:

- Additive Math
- Manufacturing Fundamentals
- Measurement
- Blueprint
- and Inspection
- Reading CNC Quality Robotics
- Inspection Safety
- Lean Troubleshooting

#### INDUSTRY RECOGNIZED CERTIFICATION

The SME Certified Manufacturing Associate (CMfgA) credential demonstrates that an individual has foundational manufacturing knowledge. It is the first step towards a lifelong career in manufacturing



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