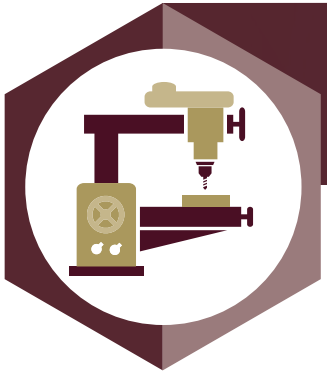


Advanced Manufacturing

Machining jobs in Ohio have been identified as high-wage and in demand. In this pathway, students will learn machining using manual lathes, milling machines and surface grinders and the set-up, operation, and programming of CNC turning and milling centers. Opportunities for those in this pathway include quality control technician, CNC technician, CNC programmer, tool and die apprentice and precision machinist.

Course Sequence

1. Industrial Lathes
2. Milling Machines
3. CNC Technology
4. Machine Tools

College Credit Opportunities

- Computer Numerical Control Technology

College Credit Plus general education and other dual credit courses are also available.

Industry Credentials

- NIMS Machining Level 1 - Measurement, Materials, & Safety
- OSHA 10
- CNC Lathe Operator
- CNC Mill Operator

Pathway Promise: Scholars that successfully complete this pathway will be prepared with industry credentials, college credits, and community experiences that support their future aspirations.

College & Career Academies
AKRON PUBLIC SCHOOLS
GARFIELD

Advanced Manufacturing

Entry-Level Careers

- Assembler
- Boring Machine Tool Operator
- CNC Setup Handler/Technician
- Grinding Machine Tool Setter
- Machine Operator
- Machinist
- Maintenance Technician
- Mill/Drill/Punch Operator
- Quality Assistant
- Robot Operator
- Stock Cutter/Handler
- Turning Machine Tool Operator

Technical Careers

(Advanced certification, Apprenticeship, or Associates Degree)

- Aerospace Machinist
- Automotive Machinist
- Building Inspector
- Certified Welder (MIG, TIG, Stick)
- CNC Programmer
- Engineering Technician
- Heavy Equipment Operator
- Hydraulics/Pneumatics/ Electrical Technician
- Laser Cutter Technician
- Mold Maker
- Production Fabricator
- Quality Control Inspector

Professional Careers

(Bachelor's Degree or higher education)

- Advanced Programmer
- Aeronautical Engineer
- Business Owner/Manager
- Civil/Structural Engineer
- Computer Automated Manufacturing Engineer
- Instructor
- Medical Device Manufacturing Engineer
- Plant Engineer
- Quality Manager
- Research & Development Specialist
- Safety Engineer
- Software Engineer/Programmer

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