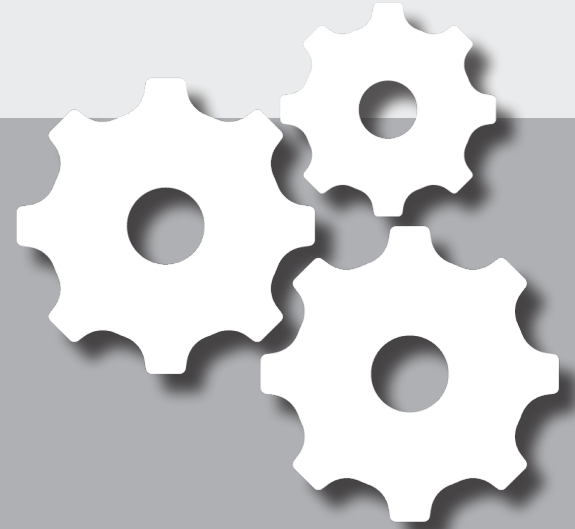


ADVANCED MANUFACTURING

Mastering precision in a world of innovation

Shape the future as you wield lathes, mills, and saws to craft metal into incredible parts. Get hands-on with computers and high-tech software to design and build your projects. Have an expert eye for safety and quality. Set your sights on in-demand careers.



What You Can LEARN

Units of Study

- Orientation
- OSHA
- Safety
- Power Saws
- Manual Machining Mill/Lathe
- Computer Numerically Controlled (CNC)
- Computer Aided Design (CAD)
- Computer Aided Manufacturing (CAM)
- Geometric Dimensioning and Tolerancing (GD&T)



What You Can EARN

Available High School Academic Credits

At district request, students may earn:

- English

Licensing/Industry-Based Certifications

Students have opportunities to earn:

- OSHA 10 Construction

Work-Based Learning

Organizations that support this program:

- SPX Flow
- Micro Inc.
- Boss Precision
- Brinkman
- Machine Tool Research
- Kodak
- Acro
- Alliance Precision Plastics



Where You Can GO

Career Opportunities

Minimal Requirement Beyond CTE

- CNC Operator
- Mill Operator
- Lathe Operator

Additional Education and/or Experience

- Programmer
- Engineer
- Manufacturing Manager

Postsecondary Pathways

Dual Enrollment

- Monroe Community College
 - Machine Theory I (TAM101)
 - Mathematics for Machinists (TAM121)
 - Machine Shop Print Reading I (TAM131)
 - Machine Shop Laboratory (TAM141)

Articulation Agreements

- SUNY Canton
- Alfred State

Now You Can **KNOW**

According to a recent survey, 92% of manufacturers report a moderate to severe shortage of skilled workers, making it a promising field for those interested in pursuing a career.



Monroe 2-Orleans BOCES Career and Technical Education

WEMOCO Career and Technical Education Center

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