



# Career and Technical Education: Advanced Manufacturing

## Cluster: Manufacturing, Engineering and Technology

*"I did robotics in middle school and thought that manufacturing would be a great way to continue to make things."  
- student*

From food to fashion or even construction, every industry needs things to be made, packaged, and distributed for use or consumption. All those things are made by manufacturers. If you enjoy putting things together, taking things apart, or making things through automation, you should take a deeper look into our manufacturing pathway.

### What's the bonus?

- Associate's Degrees: Mechatronics Tooling Technologies
- Bachelor's Degrees: Manufacturing/Industrial Engineering, Product Design
- Apprenticeships
- Internships
- Field Experiences
- Professional Coaches

### Get Certified or Licensed:

- NIMS CNC Turning and Milling Certifications

### Possible Careers & Average Salaries in this Pathway:

Machinist: \$76,000  
Manufacturing Engineer: \$84,000  
Manufacturing Technician: \$54,000  
Industrial Mechanic - \$71,000

### How do I know if this pathway is right for me?

In choosing a pathway, ask yourself:  
What do I enjoy doing?  
What am I good at doing?  
Does this pathway align with my dreams and goals?

### What do I have to do to complete this course?

This three course sequence includes Measurement, Materials and Safety; Job Planning; Benchwork and Layout; Machining Operations.

### Which Schools offer this pathway?

Carver Vocational-Technical High School

