



# MANUFACTURING

- Work safely in the shop setting
- Read and interpret mechanical shop drawings
- Understand and apply shop math
- Create accurate 2D and 3D drawings using CAD software
- Make structural drawing sets to industry standards
- Be effective as a team member to research data and create drawings
- Routers, Plasma Cutters & Spoolers
- Use the forge oven correctly
- Fabricate and repair tools
- Perform advanced machine tool operations

## FOR STUDENTS INTERESTED IN

- Production
- Manufacturing
- Engineering
- Architecture
- Construction
- Interior design
- Industrial design
- Maintenance
- Repair work
- Commercial or residential tooling
- Assembly
- Industrial mechanics
- Welding
- Construction

## CHS COURSES

### Sequence of courses

- Architecture/Mechanical Drafting
- Industrial Design 1 - semesters 1 & 2
- Industrial Design 2 - semesters 1 & 2
- Industrial Design 3 - semesters 1 & 2
- Metals 1 - semesters 1 & 2
- Metals 2 - semesters 1 & 2
- Metals 3 - semesters 1 & 2

## CAREER POSSIBILITIES & SALARY RANGES

Aerospace Technician  
\$38,000 - \$93,000

Manufacturing Technician  
\$30,368 - \$42,193

Engineer  
\$72,259 - \$106,683

Structural Designer  
\$60,500 - \$110,000

Production Manager  
\$84,306 - \$111,114

Machinist  
\$31,720 - \$48,090

Materials Planner  
\$47,013 - \$62,531

Sheet Metal Worker  
\$36,358 - \$65,728

Construction Manager  
\$72,675 - \$114,629

Plumber  
\$57,533 - \$94,453

Electrician  
\$57,533 - \$94,453

Welder  
\$36,379 - \$50,315

**To learn more about career and college opportunities,  
make an appointment with your counselor  
541-757-5910**