

# MANUFACTURING

## MANUF 1 – Manufacturing Tech



**9TH GRADE**  
Principles of Manufacturing (1)

**10TH GRADE**  
Diversified Manufacturing I (1)  
*OSHA 10-hr*

**11TH GRADE**  
\*Diversified Manufacturing II (1)  
*\*AWS D1.1 Structural Steel*  
OR  
\*Precision Metal Manufacturing I (2)

**12TH GRADE**  
\*Practicum in Manufacturing (2)  
OR  
\*Precision Metal Manufacturing II (2)  
*\*AWS D1.1 Structural Steel*

### **EXAMPLE OCCUPATIONS**

**Machinist**  
Median Wage: \$48,732  
Annual Openings: 3,385  
10-year Growth: 23%

**Industrial Engineering Tech**  
Median Wage: \$62,096  
Annual Openings: 787  
10-year Growth: 17%

**Mechanical Engineer**  
Median Wage: \$99,937  
Annual Openings: 1,755  
10-year Growth: 19%

## MANUF 2 – Welding



**9TH GRADE**  
Principles of Manufacturing (1)

**10TH GRADE**  
Welding I (2)  
*OSHA 10-Hour*  
*\*AWS D1.1 Structural Steel*

**11TH GRADE**  
\*Welding II (2)  
*\*AWS D1.1 Structural Steel*

**12TH GRADE**  
\*Practicum in Manufacturing (2)

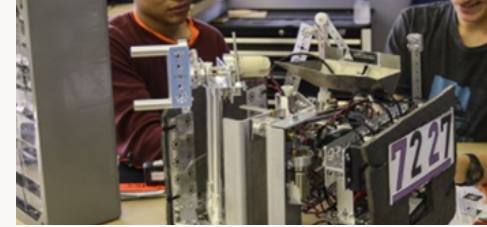
### **EXAMPLE OCCUPATIONS**

**Welder, Cutter, Solderer, or Brazier**  
Median Wage: \$48,117  
Annual Openings: 6,792  
10-year Growth: 23%

**Supervisor of Production Workers**  
Median Wage: \$62,584  
Annual Openings: 5,926  
10-year Growth: 17%

**Industrial Production Manager**  
Median Wage: \$119,691  
Annual Openings: 1,296  
10-year Growth: 19%

## MANUF 3 – Robotics– Manufacturing Focus



**9TH GRADE**  
Principles of Applied Engineering (1)  
OR  
Principles of Manufacturing (1)

**10TH GRADE**  
Robotics I (1)

**11TH GRADE**  
\*Robotics II K (1-math)  
*\*FANUC Robot Operator Level 1*

**12TH GRADE**  
\*Practicum in Manufacturing (2)

### **EXAMPLE OCCUPATIONS**

**CNC Tool Operator**  
Median Wage: \$46,353  
Annual Openings: 1,146  
10-year Growth: 10%

**Semiconductor Processing Tech**  
Median Wage: \$36,902  
Annual Openings: 621  
10-year Growth: 9%

**Industrial Engineer**  
Median Wage: \$100,000  
Annual Openings: 1,898  
10-year Growth: 26%