

**Do you enjoy using cutting-edge technology and working with your hands? Are you looking for a career in an industry with boundless opportunities for advancement? Look no further - consider a career in manufacturing!**



### **Pathway Description:**

This 1-year region pathway offers training in the use of conventional and automated machining & manufacturing equipment and software. Today manufacturing includes the use of computers, robots, 3D printing, CNC-computer numerical controllers, virtual reality, and many automated processes. Students will have the opportunity to work with industry-recognized equipment and software such as HAAS, MasterCam, AutoCAD, and ProEngineer.

### **Key Competencies:**

- Understand the manufacturing process.
- Understand properties & production of metals.
- Understand basic machine tool elements and basic machining processes.
- Understand basic CAD/CAM.
- Understand basic principles & components of fluid power & basic design of electrical controls as it applies to the automation industry.

### **Courses (HS Credits):**

9GB5 Manufacturing Processes I (2)

9GB6 Intro to CAD/CAM (2)

9GG8 Machine Operations II (4)

**Total College Credits: 10**

**Annual National Average Salary for Entry Level Manufacturing Position: \$44,800**

### **Career Opportunities:**

Assembler	Fabricator
Industrial Machinery Mechanic	Power Plant Operator
Robotics Technician	Automation Technician