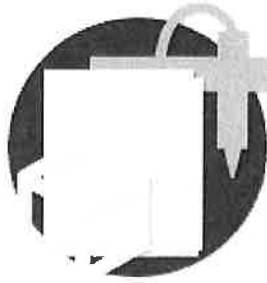


Manufacturing Technology

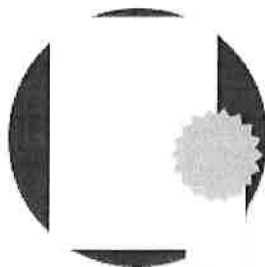


This program is available to students interested in engineering, architecture, drafting, design, robotics and compute controlled equipment. The curriculum content is specific to manufacturing, but broad enough for entry level employment or continuing education in a wide variety of manufacturing pathways, i.e., metal, wood, paper, or plastic manufacturing, clothing & textiles, food production, and many more.



Curriculum Content:

- Computer Numerical Control (CNC) programming
- Computer Numerical Control (CNC), lathe and mill design
- Hydraulics and pneumatics
- Manufacturing processes
- Mechanical computer aided drafting (possible software: Mastercam and Solidworks)
- Programmable logic controller (PLC)
- Robotics
- Safety
- Solid modeling
- 3D printing



Industry Certifications:

- Solidworks
- Precision Engineering Principles 1
- Precision Computer Aided Drafting Mechanical Design 1

**Examples of Jobs/Career Titles:**

- Aerospace engineering and operations technicians
- Civil engineering technicians
- Drafting technician
- Engineering Technicians
- Industrial engineering technician
- Machinists