Manufacturing

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:

<table>
<thead>
<tr>
<th>Assembler</th>
<th>Fabricator</th>
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<tbody>
<tr>
<td>Industrial Machinery Mechanic</td>
<td>Power Plant Operator</td>
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<tr>
<td>Robotics Technician</td>
<td>Automation Technician</td>
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