Do you enjoy working with your hands? Do you like creating, designing, and/or repairing things? A career in welding may be the path for you!

**Pathway Description:**
Prepare for a career in the manufacturing, fabrication, and structural steel industries. This 2-year regional pathway includes application of SMAW, GMAW, Oxy Fuel, FCAW, GTAW and Robotic Weld processes, using ferrous and non-ferrous metals. The program’s curriculum is aligned to AWS national standards for entry-level welders and includes safety, blueprint reading, and welding procedure specifications.

**Key Competencies:**
- Identify various metals and basic welding supplies and tools.
- Operate manual and robotic welding equipment.
- Understand blueprint reading and develop skills to accurately design products.
- Knowledge in use of precision measuring instruments and the application of such instruments.
- Demonstrate accuracy in cutting and trimming metal objects to specific dimensions.

**Courses (HS Credits):**
- 9G78B Introduction to GMAW (2)
- 9G79B GMAW Production (2)
- 9G80A OXY Fuel Welding/Cutting (2)
- 9G81A ARC Welding Introduction (SMAW) (2)
- 9G82A ARC Welding Intermediate (SMAW) (2)
- 9G83A Measuring, Layout, & Applied Weld Symbols (2)
- 9G84B Introduction to Pulse ARC GMAW Weld (2)
- 9GE8A Industrial Safety (1)
- 9GF9B Welding Blueprint Reading (1)

**Total College Credits:** 21

**Annual National Average Salary for Entry Level Welder:** $39,000

**Career Opportunities:**

<table>
<thead>
<tr>
<th>Structural Metal Fabricators and Fitters</th>
<th>Solderers and Brazers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structural Iron and Steelworkers</td>
<td>Welders, Cutters, and Welder Fitters</td>
</tr>
</tbody>
</table>