Workers in Manufacturing Production Process Development are responsible for product design and design of the manufacturing process. They work with customers to ensure that the manufacturing process produces a product that meets or exceeds customer expectations. They also monitor the manufacturing process and the materials used to manufacture the product.

**Major Courses**

Students must take THREE pathway concentration courses and ONE additional pathway elective course.

**Pathway Concentration Courses (3):**

- Integrating Systems
- Intro to Manufacturing/Engineering Science
- Mechanical/Electrical Systems I

**Pathway Elective Courses (1):**

- Apprenticeship/Internship
- Drafting Technology: Introduction
- Foundations of Engineering and Technology (formerly Introduction to Technology)

**Other Recommended Courses**

- Algebra I
- Informal Geometry
- Introduction to Engineering Drawing
- Peer Leadership
- Pre-Algebra
- Pre-Engineering Technology

**Post-Secondary Degrees, Diplomas & Certificates**

<table>
<thead>
<tr>
<th>Technical Colleges</th>
<th>Colleges/Universities</th>
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</thead>
<tbody>
<tr>
<td>• Electrical Control Systems</td>
<td>• Electrical Engineering</td>
</tr>
<tr>
<td>• Industrial Mechanical Tech</td>
<td>• Industrial Engineering</td>
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<tr>
<td>• Industrial Motor Control</td>
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</tbody>
</table>

**Employment in some of the occupations in this pathway are predicted to grow more slowly than the average because of increasing automation in the manufacturing sector. Electrical engineering positions will grow about as fast as the average.**