### Required Technology Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Prerequisite(s)</th>
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</thead>
<tbody>
<tr>
<td>Tech 175</td>
<td>Manufacturing Systems Engineering Electives</td>
<td>Math 155, Chem 110</td>
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<tr>
<td>Tech 175a</td>
<td>Manufacturing Systems Engineering Dynamics</td>
<td>Tech 175</td>
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<tr>
<td>Tech 211</td>
<td>Manufacturing Systems Manufacturing Dynamics</td>
<td>Math 155, Tech 211</td>
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<td>Tech 212T</td>
<td>Manufacturing Systems Manufacturing Systems</td>
<td>Math 155, Tech 211</td>
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<tr>
<td>Tech 262</td>
<td>Manufacturing Systems Manufacturing Process</td>
<td>Math 155</td>
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<td>Tech 265</td>
<td>Manufacturing Systems Manufacturing Process</td>
<td>Math 155, Chem 110</td>
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</tbody>
</table>

### Technology Department Electives

#### Manufacturing Systems

- **Choose 2 courses**
  - Tech 305: Green Technologies (Math 155, Chem 110)
  - Tech 404: Supervision in Industry (Tech 395, Math 155)
  - Tech 406: Facilities Management Technology (Tech 395, Math 155)
  - Tech 409: Internship (Tech 395, Math 155)
  - Tech 429: Plant Layout, Layout, and Materials Handling (Tech 395, Math 155)

- **Tech 434**: Human Factors in Industrial Engineering (Tech 395, Math 155)
- **Tech 442**: Work Simplification and Meas. (Tech 395, Math 155)
- **Tech 444**: Production Control Systems (Tech 395, Math 155)
- **Tech 484**: Energy Management (Tech 395, Math 155)
- **Tech 492**: Manufacturing Distribution Apps (Tech 395, Math 155)
- **Tech 496**: Industrial Project Management (Tech 395, Math 155)

#### Manufacturing Processes - Choose 3 courses

- **Tech 260**: Metal Fabrication Processes (Tech 211, Math 155)
- **Tech 312**: Design and Manufacturing Tolerancing (Tech 211, Math 155)
- **Tech 313**: Product and Development for Manufacturing (Tech 211, Math 155)
- **Tech 344**: Metal and Plastics in the Manufacturing Process (Tech 211, Math 155)
- **Tech 345**: Plastics Molding Processes (Tech 211, Math 155)
- **Tech 365**: Manufacturing Processes (Tech 211, Math 155)
- **Tech 415**: Applied Industrial Experimental Analysis (Tech 211, Math 155)
- **Tech 416**: Manufacturing Processes (Tech 211, Math 155)
- **Tech 417**: Design and Manufacturing Tolerancing (Tech 211, Math 155)
- **Tech 479**: Special Topics in Manufacturing Systems (Tech 211, Math 155)

### General Education Courses - See Tech Department website or Undergraduate Catalog

#### Humanities and the arts - 3 courses

- **(VPA)** (3)

#### Social Science - 2 courses

- **(3)**