<table>
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<th>Required Technology Courses</th>
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<tr>
<td><strong>Engl 103</strong> Rhetoric and Composition I - (f)</td>
<td><strong>Chem 110</strong> or Chem210T GENERAL CHEMISTRY I - (f)</td>
<td><strong>Math 155</strong> TRIGONOMETRY - (s)</td>
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<tr>
<td><strong>Engl 203</strong> Rhetoric and Composition II - (s)</td>
<td><strong>Engl 311</strong> or Chem121 GENERAL CHEMISTRY II LAB - (s)</td>
<td><strong>Math229</strong> CALCULUS I - (f)</td>
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<tr>
<td><strong>Coms 100</strong> Fundamentals of Oral Comm - (s)</td>
<td><strong>Stat 208</strong> (or Stat 301) STATISTICS - (s)</td>
<td><strong>Math230</strong> CALCULUS II - (s)</td>
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<tr>
<td><strong>Engl 308 or Mgmt 346</strong> Technical Writing or Business Comm - (s)</td>
<td><strong>Phy 210</strong> Math155 or Phys 253 GENERAL PHYSICS - (s)</td>
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### Technology Department Electives

#### Manufacturing Systems

**Choose 3 courses**

- **Tech 305** Math 155, Chem 110 GREEN TECHNOLOGIES (3)
- **Tech 404** Math Stat 208 SUPERVISION IN INDUSTRY - (f) (3)
- **Tech 406** Math 155, Tech 211 FACILITIES MANAGEMENT TECH - (s) (3)
- **Tech 409** Junior standing INTERNSHIP (3)
- **Tech 429** Math 155, Tech 265 PLANT LOC. LAYOUT & MATHS HANDLING - (s) (3)

- **Tech 391** Math 155, Stat 208 or 301 INDUSTRIAL QUALITY CONTROL - (f, s) (3)
- **Tech 342** Math 230, Tech 265, Tech 312, Tech 313 MANUFACTURING COMPONENT DESIGN - (s) (3)
- **Tech 427** Math 265 or Tech 260 MANUFACTURING DISTRIBUTION APPS - (f) (3)

- **Tech 393** Math 155, Stat 208 STRUCTURE & PROP. OF MATERIALS - (f) (3)
- **Tech 415** Math 155, Stat 208 APPLIED INDUSTRIAL EXPERIMENTAL ANALYSIS - (s) (3)
- **Tech 420** Tech 157/158A, Tech 211, Tech 265 COMPUTER INTEGRATED MANUFACTURING - (f) (3)
- **Tech 423** Tech 326, Tech 420, Tech 425 AUTOMATED MANUFACTURING SYSTEMS - (s) (3)
- **Tech 425** Tech 175, Tech 265, Tech 295 or Csci 215 or 240 PROGRAMMABLE ELECT. CONTROLLERS - (f) (3)

**Technology Department Electives**

#### Manufacturing Processes - **Choose 2 courses**

- **Tech 344** Math 155, Tech 265, Chem 110 MATS AND PROCESSES IN THE PLASTICS IND - (s) (3)
- **Tech 365** Math 155, Tech 211 METROLOGY - (f) (3)
- **Tech 416** Math 155, Tech 211 HEATING, VENTILATING, AND AIR CONDITION TECHNOLOGY (3)
- **Tech 417** Tech 155, Tech 210 DESIGN FOR ENERGY EFFICIENCY & GREEN MATERIALS (3)
- **Tech 479** see My NIU SPECIAL TOPICS IN ENGINEERING TECHNOLOGY (3)

### General Education Knowledge Domain Courses

- **Creativity & Critical Analysis - 2 courses**
- **Society & Culture - 2 courses**

**From any of the Knowledge Domain Areas** (3)