Bachelor of Science in Technology → Emphasis in Applied Manufacturing Technology

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**Admissions Requirements & Transfer Recommendations**

To be eligible for admission to the BS in Technology degree-completion program, with an emphasis in Applied Manufacturing Technology, you must have completed – or be working to complete – an Associate of Applied Science (AAS) degree in a technology-oriented related field (see Technology Area of Study, below). If you do not have a related AAS degree, contact NIU’s Program Advisor to explore additional options.

Prospective transfer students should do the following:

- **1.** Contact NIU’s Program Advisor, to review your credentials and create a bachelor’s degree completion plan.
- **2.** Complete and submit an online application for admission at [www.niu.edu/admissions/apply](http://www.niu.edu/admissions/apply) ($40 application fee) along with official copies of academic transcripts to the Office of Admissions. NIU’s Transfer Center can be reached at (800) 892-3050 or transfercenter@niu.edu.
- **3.** Work with your community college advisor – and NIU’S Program Advisor – to select the best courses for transfer (i.e., General Education and Program Prerequisites, many of which can be incorporated into an AAS degree program. See below for more details.

**Academic Requirements**

Undergraduate students must successfully complete all NIU graduation requirements and earn a minimum of 120 semester hours, including general education requirements and 40 hrs in upper-division (300-400 level) courses. Approved transfer courses may be used for these requirements. Students must earn a minimum of 30 hrs at NIU and maintain a minimum cumulative 2.00 (“C”) grade point average.

1. **General Education and Technology Foundations:** Students must complete the following. Consult NIU Articulation Tables for all course equivalents at [www.admissions.niu.edu/admissions/transfer/credits/](http://www.admissions.niu.edu/admissions/transfer/credits/).

<table>
<thead>
<tr>
<th>General Education Requirements + Technology Foundations*</th>
<th>Southwestern Illinois Equivalents</th>
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<tbody>
<tr>
<td><strong>General Education</strong> (33 Hrs)</td>
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<tr>
<td>Foundational Studies (12 Hrs)</td>
<td>1st + 2nd Year Rhetoric/Composition (6 Hrs)</td>
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<tr>
<td>Oral Communications (3 Hrs)</td>
<td>ENGL 101 + 102</td>
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<tr>
<td>Quantitative Literacy (3 Hrs)</td>
<td>SPC 151</td>
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<tr>
<td>Creativity &amp; Critical Analysis (6-9 Hrs)</td>
<td>Trigonometry or Pre-calculus is required: MAT 114 (= MATH 155 at NIU)*</td>
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<tr>
<td>Knowledge Domain Studies (21 Hrs)</td>
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<tr>
<td>Nature &amp; Technology (6-9 Hrs)</td>
<td>• CHEM 111*</td>
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<tr>
<td>Society &amp; Culture (6-9 Hrs)</td>
<td>• PHYS 101*</td>
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<tr>
<td>Additional Technology Foundations</td>
<td>See NIU Articulation Tables</td>
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<tr>
<td>Basic Statistics (3 Hrs)</td>
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<tr>
<td>Technical Writing (3 Hrs)</td>
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<tr>
<td>Technology (3 Hrs)</td>
<td>CAD 120, 220 or 225, or GE 103</td>
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2. **Technology Area of Study**

   Up to 43 semesters hours of credit for prior learning, from an approved technical Associate of Applied Science degree, may be applied toward the BS in Technology degree-completion program with the consent of the Department Chair and Program Advisor.

   The following **SOUTHWESTERN ILLINOIS COLLEGE** AAS degrees are approved technology programs.

   - Automotive Collision Repair Technology
   - Aviation Maintenance Technology
   - Commercial Maintenance Mechanics
   - Construction Management Technology
   - Electronics Technology
   - Electrical Design and Management
   - Heating, Ventilation, Air Conditioning and Refrigeration
   - Industrial Electricity
   - Industrial Maintenance Mechanics
   - Precision Machining Technology
   - Welding Technology

   If you have questions about other programs, not listed here, contact the NIU program advisor (above) to review.

3. **NIU Technology Courses**

   **a. Required NIU Technology Courses (24 semester hours)**
   - TECH 391: Industrial Quality Control
   - TECH 404: Supervision in Industry
   - TECH 406: Facilities Management Technology
   - TECH 429: Plant Location, Layout & Materials Management
   - TECH 432: Disaster Preparedness
   - TECH 434: Human Factors in Industrial Accident Prevention
   - TECH 492: Manufacturing Distribution Applications
   - TECH 496: Industrial Project Management

   **b. NIU Technology Electives (6 semester hours)**
   - TECH 305: Green Technologies
   - TECH 402: Industrial Training & Evaluation
   - TECH 435: Legal Aspects of Safety
   - TECH 442: Work Simplification & Measurement
   - TECH 444: Manufacturing Control Systems
   - TECH 484: Energy Management