Bachelor of Science in Engineering Technology → Emphasis in Applied Manufacturing Technology

**Contact:** College of Egr & Egr Tech  
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Ph: (815) 753-1442

### Admissions Requirements & Transfer Recommendations

To be eligible for admission to the B.S. in Engineering 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 [https://www.niu.edu/admissions/transfer/credits.shtml](https://www.niu.edu/admissions/transfer/credits.shtml)

<table>
<thead>
<tr>
<th>General Education Requirements + Technology Foundations</th>
<th>Illinois Central College Equivalents</th>
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<tbody>
<tr>
<td>Foundational Studies (12 Hrs)</td>
<td><strong>ENGL 110 + 111</strong></td>
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<tr>
<td>1st + 2nd Year Rhetoric/Composition (6 Hrs)</td>
<td>Contact the NIU Program Advisor</td>
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<tr>
<td>Oral Communications (3 Hrs)</td>
<td>Contact the NIU Program Advisor</td>
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<tr>
<td>Quantitative Literacy (3 Hrs)</td>
<td>Trigonometry or Pre-calculus is required: MATH 120 or 165 (= MATH 155 at NIU)</td>
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<tr>
<td>Creative &amp; Critical Analysis (6 Hrs)</td>
<td>See NIU Articulation Tables</td>
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<tr>
<td>Knowledge Domain Studies (23 Hrs)</td>
<td><strong>CHEM 120</strong></td>
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<tr>
<td>Nature &amp; Technology (8 Hrs)</td>
<td><strong>PHYS 120</strong></td>
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<tr>
<td>Society &amp; Culture (6 Hrs)</td>
<td>See NIU Articulation Tables</td>
</tr>
<tr>
<td>Gen Ed from any of the Knowledge Domain areas above (3 hrs)</td>
<td>See NIU Articulation Tables</td>
</tr>
<tr>
<td>Human Diversity Requirement (3 hrs) refer to NIU catalog</td>
<td>Can be satisfied with a Gen Ed course</td>
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<tr>
<th>Additional Technology Foundations</th>
<th>Illinois Central College Equivalents</th>
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<tbody>
<tr>
<td>Basic Statistics (3 Hrs)</td>
<td>MATH 111</td>
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<tr>
<td>Technical Writing (3 Hrs)</td>
<td>ENGL 125</td>
</tr>
<tr>
<td>Technology (3 Hrs)</td>
<td>ENGR 113</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 B.S. in Engineering Technology degree-completion program with the consent of the Department Chair and Program Advisor.

The following [ILLINOIS CENTRAL COLLEGE](https://www.icc.edu) AAS degrees are approved technology programs.

- Architectural Construction Technology
- Automotive Technology
- Caterpillar Dealer Service Technology
- Diesel Powered Equipment Technology
- Electronics Technology
- General Motor Automotive Service Education
- Green Building Environment
- HVAC/R Technology
- Industrial Electrical Technology
- Machine Tool Technology
- Maintenance Mechanic Technology
- Manufacturing Engineering Technology
- Mechanical Engineering Technology
- Mechatronics 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