

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

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AAS à Bachelor's Degree Pathway: 120 Hours			
Your Community College		Northern Illinois University	
A.A.S. Degree 59 Hrs	+	Bachelor's Foundation Courses 31 Hrs	+
			<b>10 NIU Technology Courses</b> 30 Hrs → <b>ONLINE!</b>

**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](mailto: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>

General Education Requirements + Technology Foundations*		John Wood CC Equivalents	
<b>General Education</b> (35 Hrs)	<b>Foundational Studies</b> (12 Hrs)	1 <sup>st</sup> + 2 <sup>nd</sup> Year Rhetoric/Composition (6 Hrs)	ENG 101 + 102
		Oral Communications (3 Hrs)	CMN 101
		Quantitative Literacy (3 Hrs)	Trigonometry or Pre-calculus is required: MAT 113 + 114 (= MATH 155 at NIU)
	<b>Knowledge Domain Studies</b> (23 Hrs)	Creativity & Critical Analysis (6 Hrs)	See NIU Articulation Tables
		Nature & Technology (8 Hrs)	• CHM 100 • PHY 103
		Society & Culture (6 Hrs)	See NIU Articulation Tables
<b>Human Diversity Requirement</b> (3 hrs) refer to NIU catalog		Can be satisfied with a Gen Ed course	
<b>Additional Technology Foundations</b>	<b>Basic Statistics</b> (3 Hrs)	MAT 109	
	<b>Technical Writing</b> (3 Hrs)	ENG 191	
	<b>Technology</b> (3 Hrs)	CAD 104 or 114	

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### **Academic Requirements (Continued)**

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#### **2. Technology Area of Study**

Up to 43 semester 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 **JOHN WOOD COMMUNITY COLLEGE** AAS degrees are approved technology programs.

- Construction Technology
- Electrical Technology
- Manufacturing 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