

## Bachelor of Science in Technology (Industrial Management and Technology)

### Northern Illinois University Contacts

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Stacey Deegan  
Program Advisor  
NIU Department of Technology  
(815) 753-9943  
[sdeegan@niu.edu](mailto:sdeegan@niu.edu)  
<http://www.niu.edu/offcampusacademics/Technology/index.shtml>

NIU Office of Admissions  
(800) 892-3050  
[admissions@niu.edu](mailto:admissions@niu.edu)  
[www.admissions.niu.edu](http://www.admissions.niu.edu)

### Admissions Requirements

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Prospective students must complete the following:

- 1. Contact Stacey Deegan, NIU Technology advisor (above) to review previous community college course work/transcripts and to discuss NIU course options and availability.
- 2. Have completed, or be working towards completion of, a technology-oriented Associate of Applied Science degree at a community college.
- 3. Complete an application for admission online (\$30 application fee), submit official copies of academic transcripts, to the NIU Office of Admissions (available at [www.admissions.niu.edu](http://www.admissions.niu.edu)). Students may apply for admission to the B.S. in Technology program at any time.
- 4. Work with the NIU Technology advisor (above) to discuss future courses, and make a course plan to complete the B.S. in Technology degree.

### Academic Requirements

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Undergraduate students must successfully complete all NIU graduation requirements and earn a minimum of 120 semester hours, including general education requirements and 40 semester hours in upper-division (300-400 level) courses. Approved transfer coursework may be used to complete these requirements. Students must earn a minimum of 30 semester hours at NIU and maintain a minimum cumulative 2.00 ("C") grade point average (G.P.A.) in order to graduate from NIU.

Students must also complete the following:

1. Communication Competency and Foundation Requirements (29 semester hours)
  - COMS 100: Fundamentals of Oral Communication
  - ENGL 103: Rhetoric and Composition
  - ENGL 104: Rhetoric and Composition II
  - ACCY 206: Introductory Financial Accounting **OR** ACCY 288: Fund. of Accounting
  - CHEM 110: Chemistry and CHEM 111: Chemistry Lab
  - MATH 155: Trigonometry & Elementary Functions
  - MGMT 346: Business Report Writing **OR** ENG 308: Technical Writing
  - PHYS 150A: Physics
  - STAT 208: Basic Statistics

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## Academic Requirements (Continued)

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### 2. Required Technology Courses (32 semester hours)

- TECH 175/175A: Survey of Electronics & Survey of Electronics Lab
- TECH 211: Computer-Aided Design
- TECH 265: Basic Manufacturing Processes
- TECH 302: Graphic Presentation & Communication
- TECH 391: Industrial Quality Control
- TECH 395: Industrial Data Processing
- TECH 404: Supervision in Industry
- TECH 429: Plant Location, Layout & Materials Management
- TECH 434: Human Factors in Industrial Accident Prevention
- TECH 496: Industrial Project Management

### 3. Technology Elective Courses - Two selected from the list below (6 semester hours)

- TECH 402: Industrial Training & Evaluation
- TECH 442: Work Simplification & Measurement
- TECH 443: Engineering Economy
- TECH 444: Manufacturing Control Systems
- TECH 484: Energy Management
- TECH 492: Manufacturing Distribution Applications

### 4. Technology Area of Study (23 semester hours)

Credit from a technical Associate of Applied Science degree may be applied toward the degree program with the consent of the department advisor and chair.

### 5. Electives (15 semester hours)

Five elective courses must be taken, of which two must be taken in the technology department. The remaining three courses may be taken anywhere within the university. These courses must be upper level credit courses to meet the NIU 40 hr 300/400 level requirement.

### 6. General Education Requirements chosen from those listed in the Northern Illinois University Articulation Handbook or those listed in the Illinois Articulation Initiative (18 semester hours).

- Humanities [Liberal Arts and Sciences (LAS)] Elective
- Humanities [Visual and Performing Arts (VPA)] Elective
- Humanities (LAS or VPA) Elective
- Social Science Elective
- Social Science Elective
- Interdisciplinary Elective

**NOTE:** Credit from courses taken at other colleges in technology foundations, math, science, management, and accounting fundamentals may transfer to fulfill NIU degree requirements with the consent of the department chair.