

# DEPARTMENT OF INDUSTRIAL & ENGINEERING TECHNOLOGY

## BACHELOR OF SCIENCE

### INDUSTRIAL TECHNOLOGY MAJOR

### TECHNOLOGY MANAGEMENT OPTION

The Technology Management option is specifically designed for students who have earned technically-oriented accredited Associate of Applied Science (AAS) degrees and for those with national certifications or exams and two years of directly related work experience. Students are awarded up to 34 credit hours for their technical coursework toward the Industrial Technology major with the Technology Management option.

### CURRICULUM CHECKLIST

#### UNIVERSITY STUDIES (53 hours)

<input type="checkbox"/> UI 100 First Year Seminar	3
<input type="checkbox"/> Artistic Expression	3
<input type="checkbox"/> Literary Expression	3
<input type="checkbox"/> Oral Expression	3
<input type="checkbox"/> EN 100 English Composition	3
<input type="checkbox"/> Written Expression	3
<input type="checkbox"/> Behavioral Systems	3
<input type="checkbox"/> Living Systems	3
<input type="checkbox"/> MA 134 College Algebra (Logical Systems)	3
<input type="checkbox"/> PH 120/020 Introductory Physics I (Physical Systems)	5
<input type="checkbox"/> Development of a Major Civilization	3
<input type="checkbox"/> MN 220 Engineering Economic Analysis (Economic Systems)	3
<input type="checkbox"/> Political Systems	3
<input type="checkbox"/> SW 207 Understanding Cult & Soc Diversity(Social Systems)	3
<input type="checkbox"/> UI 3xx Interdisciplinary University Studies Course (UI319 recommended)	3
<input type="checkbox"/> UI 3xx Interdisciplinary University Studies Course	3
<input type="checkbox"/> UI 410 Manufacturing Research in a Global Society- University Studies Senior Seminar	3
<input type="checkbox"/> WP 003 Writing Proficiency Test (to be taken after completing 75 hours)	0
<input type="checkbox"/> CCTST Critical Thinking Test (to be taken after completing 75 hours)	0
<input type="checkbox"/> CL001 <input type="checkbox"/> CL002 <input type="checkbox"/> CL003 <input type="checkbox"/> CL004 Career Linkages Requirements (as needed)	0

#### INDUSTRIAL TECHNOLOGY CORE

**(26 Hours, not counting 17 hours included in University Studies section)**

<input type="checkbox"/> IM 102 Technical Communication	3
<input type="checkbox"/> IM 301 Industrial Safety	3
<input type="checkbox"/> IM 311 Statistical Process Control	3
<input type="checkbox"/> IM 419 Industrial Supervision	3
<input type="checkbox"/> IM 506 Projects in IET	3
<input type="checkbox"/> MA 133 Plane Trigonometry	3
<input type="checkbox"/> MN 260 Technical Computer Programming Applications	3
<input type="checkbox"/> PH 121/021 Introductory Physics II or CH181/001/081 Basic Principles of Chemistry	5

**IT required courses included in University Studies section above: MA134, MN220, PH120, SW207, and UI410**

#### TRANSFER HOURS (34 hours)

<input type="checkbox"/> From AAS Degree <b>or</b> two years of related work experience and a recognized national certification or exam score*	34
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\*Candidates may need to provide documentation, in the form of a portfolio, for their degree or certification and experience to be considered by the department faculty for credit. An interview may also be required.

<input type="checkbox"/> MA 139 Applied Calculus	3
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#### PROGRAM ELECTIVES – Determined by consulting with an advisor (21 hours)

**(Must have a total of 39 hours of 300 - 599-level classes)**

Select from:

_____	3
_____	3
_____	3
_____	3
_____	3
_____	3
_____	3

**Portfolio Content**  
**Bachelor of Science - Industrial Technology Major**  
**Technology Management Option**

The portfolio serves as a way for potential students, with (*Option 1*) a recognized national certification or exam and two years of directly related work experience, or (*Option 2*) a technical associate degree/certificate from a non-regionally accredited institution to obtain up to 34 hours of technical credit toward a Bachelor of Science Degree, Industrial Technology Major.

The purpose of the portfolio is for potential students to validate that their backgrounds and experiences equate to the technical competencies gained from a related Associate of Applied Science degree. The Department of Industrial and Engineering Technology faculty will evaluate each portfolio to determine if the applicant has obtained a level of technical competence equivalent to all or part of an Associate of Applied Science degree. \*

The portfolio shall be submitted to the Department of Industrial and Engineering Technology and shall include:

**Option 1**

- A letter of application stating the reason(s) for interest in pursuing a Bachelor of Science Degree: Industrial Technology major. This letter will be used to evaluate written communication skills.
- A resume with three references, including previous employers
- Proof of current related certification or date and scores of exam
- Official transcripts from all schools attended
- Letters from previous employers, including employer address and telephone numbers for follow-up, which document related work experience and technical competence in detail. Letters should include dates of employment, tasks performed, etc. Again, the purpose is to prove that the applicant has developed the same level of technical expertise as would come from the Associate of Applied Science degree,
- Certificates or documentation from all related formal training and workshops attended

**Option 2**

- A letter of application stating the reason(s) for interest in pursuing a Bachelor of Science Degree, Industrial Technology major. This letter will be used to evaluate written communication skills.
- A resume with three references, including previous employers
- Official transcripts from all schools attended
- A copy of school catalog showing completed program and course descriptions

For either option, the Department of Industrial and Engineering Technology faculty *may* request additional documentation and a personal interview with the applicant.

\*Acceptance of the portfolio as meeting partial degree requirements is dependent upon a majority vote of the Department of Industrial and Engineering Technology faculty.