## Industrial Management & Technology: Environmental Health & Safety Course Sequence

### Undergraduate Catalog - 2019/2020

**Total undergraduate credits: 120**

### Freshman (Fall)
- ENGL 103 - Rhetoric & Composition I (F,S)
- MATH 155 - Trigonometry (F,S)
  - PRQ: MATH 110 w/C
- CHEM 110 - General Chemistry I (F,S)
- CHEM 111 - General Chemistry I Lab (F,S)
- COMS 100 - Fund of Oral Communications (F,S)
- Gen. Ed. 1 (Creativity/Critical Analysis) Class:

### Freshman (Spring)
- TECHNOLOGY 211 - CAD/Computer-Aided Modeling (F,S)
- ENGL 203 - Rhetoric & Composition II (F,S)
  - PRQ: ENG 103 w/C
- PHYS 150 - Physics (F,S)
- PHYS 151 - Physics Lab (F,S)
- Gen. Ed. 2 (Creativity/Critical Analysis) Class:
- Gen. Ed. 3 (Society/Culture) Class:

### Sophomore (Fall)
- TECHNOLOGY 175A - Electricity and Electrical Fund. (F,S)
  - PRQ: MATH 155 w/C, PHYS 150/151 or 210 CRQ: T175A
- TECHNOLOGY 175A - Electricity and Electrical Fund Lab (F,S)
- TECHNOLOGY 265 - Basic Manufacturing Processes (F,S)
  - PRQ: MATH 155 w/C
- TECHNOLOGY 231 - Safety Programs (F)
- STAT 100 - Basic Stats or STAT 200 - Elementary Stats (F,S)
- Gen. Ed. 4 (Society/Culture) Class:
- EHS Elective 1 Class:
- Gen. Ed. 5 (Any Knowledge Domain) Class:

### Sophomore (Spring)
- TECHNOLOGY 404 - Supervision in Industry (F,S)
  - PRQ: STAT 100
- ACCY 288 - Fund of Acctng or ACCY 206 - Intro Financial Acctg (F,S)
- TECHNOLOGY 245 - Pollution Prevention and Sustainable Production (S)
- TECHNOLOGY 434 - Human Factors in Accident Prevention (F,S)
- TECHNOLOGY 492 - Manufacturing Distribution Applications (F)
  - PRQ: MATH 155, STAT 100, TECHNOLOGY 265

### Junior (Fall)
- TECHNOLOGY 391 - Industrial Quality Control (F,S)
  - PRQ: MATH 155, STAT 100 or 200
- TECHNOLOGY 406 - Facilities Management Technology (F)
  - PRQ: MATH 155, T211
- TECHNOLOGY 429 - Plant location, Layout, and Materials Handling (F)
  - PRQ: MATH 155, T265
- EHS Elective 1 Class:
- Gen. Ed. 6 (Any Knowledge Domain) Class:

### Junior (Spring)
- TECHNOLOGY 415 - Applied Industrial Experimental Analysis (S)
  - PRQ: MATH 155, STAT 100
- TECHNOLOGY 436 - Des & Admin of Ind Safety Systems (S)
  - PRQ: T231, T434
- TECHNOLOGY 308 - Tech Writing or MGMT 346 - Business Comms (F,S)
  - MGMT 346 PRQ: COMS 100, ENGL 203 or 204, Jr. Standing
- Ind Mgmt & Tech Elective 1 Class:
- EHS Elective 2 Class:

### Senior (Fall)
- TECHNOLOGY 411 - Hazard Control in Industrial Operations (F,S)
  - PRQ: MATH 155 w/C, PHYS 150/151, T231, T245
- TECHNOLOGY 437 - Fundamentals of Industrial Hygiene (F)
  - PRQ: MATH 155, T211
- TECHNOLOGY 436 - Des & Admin of Ind Safety Systems (S)
  - PRQ: T231, T434
- TECHNOLOGY 496 - Industrial Project Management (F,S)
  - PRQ: T429, T415, MGMT 346 or ENGL 308, Senior Status 90 hrs
- Tec Elective 2 Class:
- General Elective 1 Class:
- General Elective 2 Class:
- TECHNOLOGY 481 - Ergonomics (S)
  - PRQ: T434, MATH 155 w/C, PHYS 150/151 or 210

### Senior (Spring)
- TECHNOLOGY 441 - Hazard Control in Industrial Operations (F,S)
  - PRQ: MATH 155 w/C, PHYS 150/151, T231, T245
- TECHNOLOGY 437 - Fundamentals of Industrial Hygiene (F)
  - PRQ: MATH 155, T211
- TECHNOLOGY 436 - Des & Admin of Ind Safety Systems (S)
  - PRQ: T231, T434
- TECHNOLOGY 496 - Industrial Project Management (F,S)
  - PRQ: T429, T415, MGMT 346 or ENGL 308, Senior Status 90 hrs
- Tec Elective 2 Class:
- General Elective 1 Class:
- General Elective 2 Class:
- TECHNOLOGY 481 - Ergonomics (S)
  - PRQ: T434, MATH 155 w/C, PHYS 150/151 or 210

## Industrial Management and Technology Electives (Choose 2)

### Industrial Management and Technology Electives
- TECHNOLOGY 409 - Internship
  - PRQ: Jr. Standing, Department Consent
- TECHNOLOGY 432 - Disaster Preparedness/online (F,S)
- TECHNOLOGY 433 - Chemical Hazards in Industry (F)
  - PRQ: CHEM 110 & 111, MATH 155 w/C, T231 or T245
- TECHNOLOGY 435 - Legal Aspects of Safety

**Environmental Health and Safety Electives (choose two):**

- TECHNOLOGY 438 - Safety in Transportation Systems (S)
  - PRQ: CHEM 110 & 111, MATH 155 w/C, T231, T245
- TECHNOLOGY 468 - Construction Safety Management (S)
  - PRQ: MATH 155 w/C, PHYS 150/151 or 210, T231
- TECHNOLOGY 485 - Risk Management
  - PRQ: MATH 155 w/C, Phys 150 & 151, T231, T245, T434

Refer to current catalog for updated pre-reqs

**Human Diversity Requirement**

**Satisfied with:**