

Industrial Management & Technology: Environmental Health & Safety Course Sequence

Undergraduate Catalog - 2020/2021

Total undergraduate credits: 120

Name: _____

Z-ID: _____

Advisor: _____

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)

- TECH 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)

- TECH 175/A - Electricity and Electrical Fund. (F,S)
PRQ: MATH 155 w/C, PHYS 150&151 or 210 CRQ: T175A
- TECH 175A - Electricity and Electrical Fund Lab (F,S) *CRQ: T175A*
- TECH 265 - Basic Manufacturing Processes (F,S) *PRQ: MATH 155 w/C*
- TECH 231 - Safety Programs (F)
- STAT 100 - Basic Stats or STAT 200 - Elementary Stats (F,S)
- Gen. Ed. 4 (Society/Culture) Class: _____

Sophomore (Spring)

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

Junior (Fall)

- TECH 391 - Industrial Quality Control (F,S)
PRQ: MATH 155, STAT 100 or 200
- TECH 406 - Facilities Management Technology (F)
PRQ: MATH 155, T211
- TECH 429 - Plant location, Layout, and Materials Handling (F)
PRQ: MATH 155, T265
- EHS Elective 1 Class: _____
- Gen. Ed. 5 (Any Knowledge Domain) Class: _____

Junior (Spring)

- TECH 415 - Applied Industrial Experimental Analysis (S)
PRQ: MATH 155, STAT 100
- TECH 436 - Des & Admin of Ind Safety Systems (S)
PRQ: T231, T434
- ENGL 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)

- TECH 437 - Fundamentals of Industrial Hygiene (F)
PRQ: CHEM 110/111, PHYS 150/151, T231, T415
- TECH 441 - Hazard Control in Industrial Operations (F)
PRQ: MATH 155 w/C, PHYS 150/151, T231, T245
- Ind Mgmt & Tech Elective 2 Class: _____
- Tech Elective 1 Class: _____

Senior (Spring)

- TECH 496 - Industrial Project Management (F,S)
PRQ: T429, T415, MGMT 346 or ENGL 308, Senior Status 90 hrs
- Tech Elective 2 Class: _____
- General Elective 1 Class: _____
- General Elective 2 Class: _____
- TECH 481 - Ergonomics (S)
PRQ: T434, MATH 155 w/C, PHYS 150/151 or 210

Industrial Management and Technology Electives (Choose 2)

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|---|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> TECH 305 - Green Technologies (F,S)
<i>PRQ: MATH 155, CHEM 110</i> <input type="checkbox"/> TECH 402 - Ind. Training and Evaluation <input type="checkbox"/> TECH 407 - Maintenance Management Tech
<i>PRQ: Either STAT 100 or 200, T265</i> | <ul style="list-style-type: none"> <input type="checkbox"/> TECH 411 - Env. Sust. Practices for Ind Ops (F)
<i>PRQ: MATH 155 with C or better, T245 or T305</i> <input type="checkbox"/> TECH 419 - Energy Auditing (S)
<i>PRQ: MATH 155 w/C</i> <input type="checkbox"/> TECH 442 - Work Simp. and Measurement (F)
<i>PRQ: MATH 155, T265</i> | <ul style="list-style-type: none"> <input type="checkbox"/> TECH 443 - Engineering Economy (S)
<i>PRQ: MATH 155</i> <input type="checkbox"/> TECH 444 - Production Control Sys (S)
<i>PRQ: MATH 155, T265</i> <input type="checkbox"/> TECH 484 - Energy Management (F)
<i>PRQ: MATH 155</i> |
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Environmental Health and Safety Electives (choose two):

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| <ul style="list-style-type: none"> <input type="checkbox"/> TECH 409 - Internship
<i>PRQ: Jr. Standing, Department Consent</i> <input type="checkbox"/> TECH 432 - Disaster Preparedness/online (F,S) <input type="checkbox"/> TECH 433 - Chemical Hazards in Industry (F)
<i>PRQ: CHEM 110 & 111, MATH 155 w/C, T231 or T245</i> <input type="checkbox"/> TECH 435 - Legal Aspects of Safety | <ul style="list-style-type: none"> <input type="checkbox"/> TECH 438 - Safety in Transportation Systems (S)
<i>PRQ: CHEM 110 & 111, MATH 155 w/C, T231, T245</i> <input type="checkbox"/> TECH 468 - Construction Safety Management (S)
<i>PRQ: MATH 155 w/C, PHYS 150/151 or 210, T231</i> <input type="checkbox"/> TECH 485 - Risk Management
<i>PRQ: MATH 155 w/C, Phys 150 & 151, T231, T245, T434</i> |
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Refer to current catalog for updated pre-reqs

Human Diversity Requirement

Satisfied with: _____