

**Industrial Management & Technology: Electronics Technology Course Sequence**

**Undergraduate Catalog - 2020/2021**

**Total undergraduate credits: 120**

Name: \_\_\_\_\_

Z-ID: \_\_\_\_\_

Advisor: \_\_\_\_\_

Freshman (Fall)	
<input type="checkbox"/>	ENGL103 - Rhetoric & Composition I (F,S)
<input type="checkbox"/>	MATH 155 - Trigonometry (F,S) <i>PRQ: MATH 110 w/C or Placement Exam</i>
<input type="checkbox"/>	PHYS 150 - Physics (F,S)
<input type="checkbox"/>	PHYS 151 - Physics Lab (F,S)
<input type="checkbox"/>	COMS100 - Fundamentals of Oral Communications (F,S)
<input type="checkbox"/>	Gen. Ed. 1 (Creativity/Critical Analysis) Class: _____

Freshman (Spring)	
<input type="checkbox"/>	TECH 211 - CAD/Computer-Aided Modeling (F,S)
<input type="checkbox"/>	ENGL 203 - Rhetoric & Composition II (F,S) <i>PRQ: ENG 103 w/C</i>
<input type="checkbox"/>	CHEM 110 - General Chemistry I (F,S)
<input type="checkbox"/>	CHEM 111 - General Chemistry I Lab (F,S)
<input type="checkbox"/>	TECH 175 - Electricity and Electrical Fund. (F,S) T175A Lab <input type="checkbox"/> <i>PRQ: MATH 155 w/C, PHYS 150&amp;151 or 210 CRQ: T175A</i>

Sophomore (Fall)	
<input type="checkbox"/>	TECH 265 - Basic Manufacturing Processes (F,S) <i>PRQ: MATH 155 w/C</i>
<input type="checkbox"/>	TECH 277 - Digital Logic Design (F) T277A Lab <input type="checkbox"/> <i>PRQ: PHYS 211 or T175/175A</i>
<input type="checkbox"/>	TECH 434 - Human Factors in Accident Prevention (F,S)
<input type="checkbox"/>	STAT 100 - Basic Stats or STAT 200 - Elementary Stats (F,S)
<input type="checkbox"/>	Gen. Ed. 2 (Society/Culture) Class: _____

Sophomore (Spring)	
<input type="checkbox"/>	TECH 404 - Supervision in Industry (S) <i>PRQ: STAT 100</i>
<input type="checkbox"/>	TECH 492 - Manufacturing Distribution Applications (S) <i>PRQ: MATH 155, STAT 100, TECH 265</i>
<input type="checkbox"/>	ACCY 288 - Fund of Acctg or ACCY 206 - Intro Financial Acctg (F,S)
<input type="checkbox"/>	Gen. Ed. 3 (Creativity/Critical Analysis) Class: _____
<input type="checkbox"/>	TECH 295 Manuf. Comp. Apps. or CSCI 240 (F,S) or CSCI 215 <i>PRQ: MATH 155, T265 (CSCI 240 PRQ: MATH 110)</i>

Junior (Fall)	
<input type="checkbox"/>	TECH 391 - Industrial Quality Control (F,S) <i>PRQ: MATH 155, STAT 100 or 200</i>
<input type="checkbox"/>	TECH 429 - Plant location, Layout, and Materials Handling (F) <i>PRQ: MATH 155, T265</i>
<input type="checkbox"/>	TECH 325 - Programmable Electronic Controllers (F) <i>PRQ: T175, T175A, T265, CSCI 215 or 240 or T295</i>
<input type="checkbox"/>	Gen. Ed. 4 (Society/Culture) Class: _____
<input type="checkbox"/>	Gen. Ed. 5 (Any Knowledge Domain) Class: _____

Junior (Spring)	
<input type="checkbox"/>	TECH 377 - Microprocessors and Interfacing (S) <i>PRQ: T277</i>
<input type="checkbox"/>	TECH 415 - Applied Industrial Experimental Analysis (S) <i>PRQ: MATH 155, STAT 100</i>
<input type="checkbox"/>	TECH 425 - Adv Programmable Electronic Controllers (S) <i>PRQ: TECH 325</i>
<input type="checkbox"/>	ENGL 308 - Tech Writing or MGMT 346 - Business Comms (F,S) <i>MGMT 346 PRQ: COMS 100, ENG 203 or 204, Jr Status</i>
<input type="checkbox"/>	Electrical Elective 1 Class: _____

Senior (Fall)	
<input type="checkbox"/>	TECH 406 - Facilities Management Technology (F) <i>PRQ: MATH 155, T211</i>
<input type="checkbox"/>	Electrical Elective 2 Class: _____
<input type="checkbox"/>	Ind Mgmt & Tech Elective 1 Class: _____
<input type="checkbox"/>	General Elective 1 Class: _____
<input type="checkbox"/>	Tech Elective 1 Class: _____

Senior (Spring)	
<input type="checkbox"/>	TECH 496 - Industrial Project Management (F,S) <i>PRQ: T429, T415, MGMT 346 or ENGL 308, Senior Status 90 hrs</i>
<input type="checkbox"/>	Ind Mgmt & Tech Elective 2 Class: _____
<input type="checkbox"/>	Tech Elective 2 Class: _____
<input type="checkbox"/>	General Elective 2 Class: _____

Industrial Management and Technology Electives (Choose 2)					
<input type="checkbox"/>	TECH 305 - Green Technologies (F,S) <i>PRQ: MATH 155, CHEM 110</i>	<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 443 - Engineering Economy (S) <i>PRQ: MATH 155</i>
<input type="checkbox"/>	TECH 402 -Ind. Training and Evaluation	<input type="checkbox"/>	TECH 419 - Energy Auditing (S) <i>PRQ: MATH 155 w/C</i>	<input type="checkbox"/>	TECH 444-Production Control Systems (S) <i>PRQ: MATH 155, T265</i>
<input type="checkbox"/>	TECH 407 - Maintenance Management Tech <i>PRQ: STAT 100 or 200, T265</i>	<input type="checkbox"/>	TECH 442 - Work Simp. and Measurement (F) <i>PRQ: MATH 155, T265</i>	<input type="checkbox"/>	TECH 484 - Energy Management (F) <i>PRQ: MATH 155</i>

Electrical Electives (choose two):			
<input type="checkbox"/>	TECH 398 - Industrial Problems in Technology (3 hrs) <i>PRQ: Department Consent</i>	<input type="checkbox"/>	TECH 473 - Advanced Digital Design <i>PRQ: T277 &amp; T277A, CSCI 240</i>
<input type="checkbox"/>	TECH 409 - Internship <i>PRQ: Jr. Standing</i>	<input type="checkbox"/>	TECH 479 - Special Topics in Engineering Technology <i>PRQ: Department Consent</i>
<input type="checkbox"/>	TECH 430 - Microcontrollers Systems and Internet of Things <i>PRQ: T377</i>		

Refer to current catalog for updated pre-reqs

Human Diversity Requirement
Satisfied with: _____