INDUSTRIAL ENGINEERING TECHNOLOGY DEGREE FLOW CHART

First Semester

SENL 101S	3
English I	
Prerequisites: -	

SMAT 121S	3
Pre-Calculus	
Prerequisites: -	

IETC 125S	4
Introduction to Industrial Engineering Technology	
Prerequisites: -	

ELEC 110S	4
Electrical Circuits I Lecture and Lab	
Prerequisite: IETC 125S	

ENGR 120S	3
Engineering Graphics	
Prerequisites: -	

Semester Credits: 17

Second Semester

ENGR 201SS	3
Safety, Health, & Environment	
Prerequisites: -	

xxxx	3
Humanities Elective	
Prerequisites:-	

IETC 135S	3
Production,Planning & Control	
Prerequisites: IETC 125S	

ELEC 140S	4
Electrical Circuits II Lecture and Lab	
Prerequisites: ELEC 110S	

SMAT 122S	3
Plane Trigonometry	
Prerequisites: None	

Semester Credits: 16

Third Semester

SPHY 213S	5
Physics I Lecture and Lab	
Prerequisites: -	

ELEC 220S	4
Digital Logic Design Lecture & Lab	
Prerequisites: -	

IETC 150S	3
ManufacturingMaterials & Science	
Prerequisites: IETC 135S	

ENGR 208S	3
Fundamentals of Quality Control	
Prerequisites: -	

Semester Credits: 15

Fourth Semester

xxxx	3
Social/Behavioral Sciences Elective	
Prerequisites: -	

ENGR 230S	3
Technical Communication	
Prerequisites: SENL 101S	

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IETC 236S	3
Work Ergonomics & Measurement	
Prerequisites: IETC 228S	

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IETC 250S	3
Introduction to Industrial Automation	
Prerequisite: ELEC 210S	

ELEC 299S	1
Industrial Engr. Technology Capstone / Co-Op	
Corequisite: ENGR 240S	

Semester Credits: 13

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ENGR 240S	4
ElectroMechanical Control Technology	
Department Approval	

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ENGR 248S	3
Programmable Logic Controllers	
Department Approval	

NOTE:
Some courses have co-requisite relationship (offered in the same semester).

Courses denoted with **** can be substituted with other ENGR electives

Prepared by: K. Moses, December 2024

Total Credits: 61