ELECTRICAL & COMPUTER ENGINEERING TECHNOLOGY DEGREE FLOW CHART

First Semester

SENL 101S	3
English I	
Prerequisites: -	

SMAT 121S	3
Pre-Calculus	
Prerequisites: -	

ENGR 140S	2
Introduction to Engineering & Technology	
Prerequisites: -	

ENGR 120S	3
Engineering Graphics	
Corequisite: ENGR 140S	

ECET 110S	4
Electrical Circuits I Lecture and Lab	
Prerequisites: -	

Semester Credits: 15

Second Semester

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

xxxx	3
Humanities Elective	
Prerequisites:-	

ECET 160S	4
Semiconductor Circuits I Lecture & Lab	
Prerequisites: ENGR 140S	

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

SMAT 122S	3
Plane Trigonometry	
Prerequisites: SMAT 121S	

Semester Credits: 17

Third Semester

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

ECET 210S	4
Digital Logic Design Lecture & Lab	
Prerequisites: -	

ECET 220S	4
Semiconductor Circuits II Lecture & Lab	
Prerequisites: ECET 160S	

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ECET 230S	3
Electrical Testing & Maintenance	
Prerequisites: ECET 140S	

Semester Credits: 15

Fourth Semester

xxxx	3
Social/Behavioral Sciences Elective	
Prerequisites: -	

ENGR 230S	3
Technical Communication	
Prerequisites: SENL 101S	

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ECET 225S	4
Operational Amplifiers Lecture & Lab	
Prerequisites: ECET 220S	

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ECET 290S	4
Microprocessor Fundamentals Lec & Lab	
Corequisite: ECET 210S	

ECET 299S	1
Elec & Comp Technology Capstone / Co-Op	
Department Permission	

Semester Credits: 15

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ECET 235S	3
Power Transmission & Distribution Lec. & Lab	
Prerequisites: ECET 140S	

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ECET 245S	4
Electrical Machinery & Controls Lecture& Lab	
Prerequisites: ECET 140S	

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ECET 260S	3
Electrical Systems Design	
Prerequisites: ECET 235S	

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ENGR 248S	3
Programmable Logic Controllers	
Prerequisites: ECET 210S	

NOTE:
Some courses have corequisite relationship (offered in the same semester).

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

Prepared by: K. Moses, October 2024

Total Credits: 62