

# Bachelor of Science Electrical Engineering 2023-2024 Catalog

# Power and Renewable Energy Track

SEMESTER		Fall
Course No.	Hours	
Historical Foundation		3
*MAC 2311C	Calculus I	4
SPC 1603C	Technical Presentations	3
EGS 1006C	Intro to Eng Profession	1
*CHS 1440	Principles of Chemistry	4

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SEMESTER		Fall
Course No.	Hours	
*MAC 2313	Calculus III	4
*PHY 2049 & *PHY 2049L	Physics II for Engineers & Lab	4
ENC 1102	Composition II	3
*EGN 3211	Eng. Analysis & Comp.	3

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SEMESTER		Fall
Course No.	Hours	
*EEL 3801C	Comp. Organization	4
EEL 3657	Linear Control Systems	3
Junior Elective		3
Junior Elective		3
Science Foundation		3

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SEMESTER		Fall
Course No.	Hours	
EEL 4914	Senior Design I	3
Historical Foundation		3
Senior Elective		3
Approved technical elective		3
Approved technical elective		3

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SEMESTER		Spring
Course No.	Hours	
ENC 1101	Composition I	3
EGN 1007C	Eng Concepts & Method	1
*MAC 2312	Calculus II	4
*PHY 2048 & *PHY 2048L	Physics I for Engineers & Lab	4
ECO 2013	Macroeconomics	3

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SEMESTER		Spring
Course No.	Hours	
*MAP 2302	Differential Equations	3
*EEL 3004	Linear Circuits I	3
*EEE 3342C	Digital Systems	3
PHY 3101	Physics III	3
Cultural Foundation		3

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SEMESTER		Spring
Course No.	Hours	
EEE 3307C	Electronics I	4
EEL 4216	Fund of Elect Power Syst	3
EEL 4742C	Embedded Systems	3
EEL 3926L	Junior Design	1
Senior Elective		3
Senior Elective		3

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SEMESTER		Spring
Course No.	Hours	
EEL 4915L	Senior Design II	3
Approved technical elective		3
Approved technical elective		3
Approved technical elective		3

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SEMESTER		Summer
Course No.	Hours	

SEMESTER		Summer
Course No.	Hours	
*EEL 3123C	Linear Circuits II	3
STA 3032	Prob & Stats for Engr	3
Social Foundation		3

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SEMESTER		Summer
Course No.	Hours	
Internship or Co-operative Education		
is encouraged		

SEMESTER		Summer
Course No.	Hours	

\* Requires a Grade of C or Better