

# Electrical Engineering 2022-2023: Power Engineering (Class of 2026)

Fall First Year		
CHY 131	Chemistry for Engineers	3
CHY 133	Chemistry for Engineers Lab	1
CMJ 103	Fund of Public Communication Human Values/Social Context	3
ECE 100	ELE & CEN Eng Seminar	1
ECE 101	Intro to ELE & CEN Eng	3
MAT 126	Calculus I	4
		15

Spring First Year		
ECE 177	Intro to Prog for Engineers	4
ENG 101	College Composition	3
MAT 127	Calculus II	4
PHY 121	Physics for Engineers I	4
		15

Fall Sophomore		
ECE 210	Electrical Networks I	3
ECE 275	Sequential Logic Systems	3
EET 460	Renewable Energy and Electricity Production	3
MAT 228	Calculus III	4
PHY 122	Physics for Engineers II	4
		17

Spring Sophomore		
ECE 214	Electrical Networks Lab	4
ECE 271	Micro Arch & Applications	4
EET 321	Electro-Mechanical Energy Conversion	4
MAT 258	Diff Eqn. & Linear Algebra	4
		16

Fall Junior		
ECE 316   STS 332	Random Signal Analysis   Statistics	3
ECE 342	Electronics I	4
ECE 314	Signals and Systems	3
ECE 427	Electric Power Systems	4
Elective	HV & SC (2) - Western Cultural Tradition	3
		17

Spring Junior		
ECE 343	Electronics II	4
ECE 401	Design Project	2
ECE 414	Feedback Control Systems	3
ECE 351	Fields and Waves	3
ECE 498	Smart Grid and Enabling Technologies	3
		15

Fall Senior		
ECE 402	Design Project II	4
ECE 450	Power Electronics	3
ECE xxx	Suggest: Adv Controls, Cybersecurity, ...	3
Elective	HV & SC (4) Artistic & Creative Expression	3
Elective	HV & SC (3) Cultural Diversity & International Perspectives	3
		16

Spring Senior		
ECE 403	Design Project III	2
ECE 486	Digital Signal Processing	4
ECE 455	Electric Drives	3
Elective	HV & SC (5) Ethics	3
EET 423	Protective Relay Applications	3
		15

Total Credit Hours	<b>126</b>
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ECE	
Math & Science	Electrical Focus Tech Elective
English	Electrical Focus Tech Elective
Gen Ed	Electrical Focus Tech Elective
	ECE Tech Elective
	ECE Tech Elective
	Generic Focus Tech Elective
	Generic Focus Tech Elective
	HV & SC (1) Population and Environment Elective

Suggested Electives for Power Engineering		
ECE 427	Electric Power Systems	4
ECE 498	Smart Grid and Enabling Technologies	3
ECE 450	Power Electronics	3
ECE 455	Electric Drives	3
ECE xxx	Suggest: Adv Controls, Cybersecurity, Neural Networks ...	3
EET 321	Electro-Mechanical Energy Conversion	4
EET 423	Protective Relay Applications	3
EET 460	Renewable Energy and Electricity Production	