

**Recommended Sequence of Courses
Electrical Engineering Technology, Smart Grid**

Year; Semester	Course Department Number, Title	Credit Hours				
		Communications	Math and Science	Technical Content	Social Sciences, Arts, and Humanities	Other
1/Fall	CWP 101, College Writing I	3				
	MAT 126 (or MAT 161 + 163) Calculus I		4(5)			
	General Education				3	
	ENT 104, Essentials of EET			3		
	General Education				3	
1/Spring	CWP 102, College Writing II	3				
	MAT 127 (or MAT 162+164) Calculus II		4(5)			
	PHY 107 (or PHY 111) Physics I		4(5)			
	General Education				3	
	General Education				3	
2/Fall	ENT 330 Electric Circuits Analysis I			3		
	PHY 108 (or PHY 112) Physics II		4(5)			
	ENT 300 Math Applications in Eng. Technology			3		
	General Education				3	
	CIS 151 Computer-Based Information Processing					3
2/Spring	ENT 332 Electric Circuits Analysis II			3		
	ENT 345, Digital Systems			3		
	MAT 202 Linear Algebra or MAT 315 Differential Equations		3			
	General Education				3	
	ENT 341, Electronics			3		
3/Fall	ENT 371, Electric Machines			3		
	CHE 111+113 Chemistry 1		4			
	ENT 346, Microcontrollers			3		
	General Education				3	
	ENT 301, Mechanics 1			3		
3/Spring	ENT 342, Advanced Circuit Analysis			3		
	ENT 481 Renewable Distributed Generation and Storage			3		
	General Education				3	
	Elective					3
	ENT 340 BIM Using REVIT MEP			3		
4/Fall	ENT 471, Power Systems 1			3		
	Elective					3
	ENT465 Electrical Design I			3		
	Elective					3
	ENT 461, Control Systems I			3		
4/Spring	ENT 472, Power Systems II			3		
	ENT 445, Power Electronics			3		
	ENT 462, Control Systems II			3		
	ENT 466, Electrical Design II			3		
	Elective					3
Totals		6	23(27)	57	24	
Totals Minimum Credit Hours Required for the Completion of the Program						120