

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

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				
	MAT126 (or MAT 161 + 163) Calculus I		4(5)			
	CHE 101 (or CHE 111) Chemistry I		3(4)			
	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)			
	CHE 102 (or CHE 112) Chemistry 2 or science course with a lab		3(4)			
	General Education				3	
2/Fall	PHY 108 (or PHY 112) Physics II		4(5)			
	ENT 301, Mechanics I			3		
	ENT 300 Analytical Methods for Technologists			3		
	General Education				3	
	CIS 151 Computer-Based Information Processing					3
2/Spring	ENT 330 Electric Circuits Analysis I			3		
	General Education				3	
	MAT 311 or MAT 315		3			
	General Education				3	
	Elective					3
3/Fall	ENT 332, Electric Circuits Analysis II			3		
	ENT 345, Digital Systems			3		
	Elective					3
	General Education				3	
3/Spring	ENT 341, Electronics			3		
	ENT 342, Advanced Circuit Analysis			3		
	ENT 346, Microcontrollers			3		
	ENT 371, Electric Machines			3		
	Elective					3
4/Fall	TEC 101, Technical Drawing			3		
	ENT 471, Power Systems I			3		
	Elective					3
	ENT465 Electrical Design I			3		3
	ENT 445, Power Electronics			3		
4/Spring	ENT 461, Control Systems I			3		
	ENT 472, Power Systems II			3		
	Elective					3
	ENT 462, Control Systems II			3		
	ENT 466, Electrical Design II			3		
	Elective					3
<b>Totals</b>		<b>6</b>	<b>25(31)</b>	<b>54</b>	<b>18</b>	<b>24</b>
<b>Totals Minimum Credit Hours Required for the Completion of the Program</b>						<b>120</b>