

**B.S. Electrical Engineering - Schedule Planning Grid**  
**Effective Autumn 2020**

Freshman Year					Sophomore Year				
Course #	Title	Quarter	Credits	Notes	Course #	Title	Quarter	Credits	Notes
<b>TMATH 124</b>	<b>Calculus I</b>	<b>Fall</b>	<b>5</b>		<b>TMATH 308</b>	<b>Linear Algebra</b>	<b>Fall</b>	<b>5</b>	
TCORE 101	English Comp I	Fall	5		<b>TCSS 142*</b>	<b>Intro to Programming</b>	<b>Fall</b>	<b>5</b>	
	I & S Elective (Social Science)	Fall	5		<b>T PHYS 121</b>	<b>Physics I (Mechanics)</b>	<b>Fall</b>	<b>6</b>	
<b>TMATH 125</b>	<b>Calculus II</b>	<b>Winter</b>	<b>5</b>		<b>TMATH 307</b>	<b>Differential Equations</b>	<b>Winter</b>	<b>5</b>	
	Advanced Writing	Winter	5		<b>TCSS 143*</b>	<b>Object Oriented Programming</b>	<b>Winter</b>	<b>5</b>	
	VLPA Elective (Humanities)	Winter	5		<b>T PHYS 122</b>	<b>Physics II (Electromagnetism)</b>	<b>Winter</b>	<b>6</b>	
<b>TMATH 126</b>	<b>Calculus III</b>	<b>Spring</b>	<b>5</b>		<b>TCES 215**</b>	<b>Electrical Circuits</b>	<b>Spring</b>	<b>5</b>	
	VLPA Elective	Spring	5		<b>TCES 390</b>	<b>Circuits Seminar (optional)</b>	<b>Spring</b>	<b>2</b>	
	I & S / DIV Elective	Spring	5		<b>T PHYS 123***</b>	<b>Physics III (Waves)</b>	<b>Spring</b>	<b>6</b>	
Junior Year					Senior Year				
Course #	Title	Quarter	Credits	Notes	Course #	Title	Quarter	Credits	Notes
TCES 230	Logic Design	Fall	5		TCES 421	Digital Integrated Circuit Design	Fall	5	
TCES 310	Signals and Systems	Fall	5		TEE 331	Applied Electromagnetics	Fall	4	
TEE 315	Electrical Circuits II	Fall	4		TEE 453	Digital Signal Processing	Fall	5	
TCES 390	Signals and Systems Seminar (op	Fall	2		TEE 480	Senior Project I	Fall	2	
TCES 312	Electronics & Analog Circuits	Winter	5		TEE 431	Power Systems	Winter	5	
TEE 317	Electric Machines	Winter	5		TEE 451	Control Systems	Winter	5	
TEE 372	Computer Architecture for EE	Winter	3		TEE 481	Senior Project II	Winter	4	
TCES 380	Stochastic Signal Theory	Winter	5						
TCES 330	Digital System Design	Spring	5		TEE 225	EE Ethics	Spring	5	
TEE 316	Electronics & Analog Circuits II	Spring	5		TEE 4XX	EE Elective from approved list	Spring	5	
TEE 341	Communication Theory	Spring	4		TEE 482	Senior Project III	Spring	4	
TCES 390	Seminar on C programming	Spring	2						

Note: This is an advising tool only and is subject to change. **Required prerequisites are in BOLD.** Admission is not guaranteed and is based on review of major application.

\*10 credits of programming (Java and C languages strongly recommended) \*\*Electrical Circuits or transfer equivalent (AC and DC required)

\*\*\*If Physics courses do not add up to 18 credits, 5 additional lab-sci credits will be required.