

## B.S. Electrical Engineering - Schedule Planning Grid

Updated Autumn 2018

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>*T PHYS 123</b>	<b>Physics III (Waves)</b>	<b>Spring</b>	<b>6</b>	
	VLPA Elective	Spring	5		<b>**TCES 215</b>	<b>Electrical Circuits</b>	<b>Spring</b>	<b>5</b>	
	I & S / DIV Elective	Spring	5		TCES 390	Circuits Seminar (optional)	Spring	2	
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	Linear Systems & Transforms	Fall	5		TCES 430	Microprocessors	Fall	5	
TEE 315	Electrical Circuits II	Fall	4		TEE 453	Digital Signal Processing	Fall	5	
TCES 390	Linear Sys Seminar (optional)	Fall	2		TEE 480	Senior Project I	Fall	2	
TCES 312	Electronics & Analog Circuits	Winter	5		TEE 431	Electrical Power Engineering	Winter	5	
TEE 331	Applied Electromagnetics	Winter	4		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	

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.

\*If Physics courses do not add up to 18 credits, 5 additional lab-sci credits will be required. \*\*Electrical Circuits or equivalent transfer course that must cover both AC and DC curriculum.