

B.S. Electrical Engineering - Schedule Planning Grid

Effective Autumn 2021

Freshman Year					Sophomore Year				
Course #	Title	Quarter	Credits	Notes	Course #	Title	Quarter	Credits	Notes
TMATH 124	Calculus I	Fall	5		TMATH 208	Linear Algebra	Fall	5	
TCORE 101	English Comp I	Fall	5		TCSS 142*	Intro to Programming	Fall	5	
	Social Science (I&S)	Fall	5		T PHYS 121	Physics I (Mechanics)	Fall	6	
TMATH 125	Calculus II	Winter	5		TMATH 207	Differential Equations	Winter	5	
	Advanced Writing	Winter	5		TCSS 143*	Object Oriented Programming	Winter	5	
	Humanities (VLPA)	Winter	5		T PHYS 122	Physics II (Electromagnetism)	Winter	6	
TMATH 126	Calculus III	Spring	5		TCES 215**	Electrical Circuits	Spring	5	
	Humanities (VLPA)	Spring	5		TCES 390A	Circuits Seminar (optional)	Spring	2	
	Diversity Req. (I&S)	Spring	5		T PHYS 123***	Physics III (Waves)	Spring	6	
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 390B	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 credits of lab science (Chemistry I - TCHEM 142 or Biology I - TBIOL 120) is required.