B.S. Electrical Engineering - Schedule Planning Grid

Effective Autumn 2023

Freshman Year					Sophomore Year				
Course #	Title	Quarter	Credits	Notes	Course #	Title	Quarter	Credits	Notes
TMATH 124	**Calculus I**	**Fall**	**5**		TMATH 208	Matrix Algebra	Fall	5	
TCORE 101	English Comp I	Fall	5		**TCSS 142**	**Intro to Programming +LAB**	**Fall**	**5**	
	Social Sciences (SSc)	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+LAB	Winter	5	
	Ars and Humanities (A&H)	Winter	5		**T PHYS 122**	**Physics II (Electromagnetism)**	**Winter**	**6**	
TMATH 126	**Calculus III**	**Spring**	**5**		**TCES 215****	**Electrical Circuits+LAB**	**Spring**	**5**	
	Arts and Humanities (A&H)	Spring	5		**TCES 390A**	**Circuits Seminar (optional)**	**Spring**	**2**	
	Diversity Req. (DIV and SSc)	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+LAB	Fall	5		TCES 421	Digital Integrated Circuit Design	Fall	5	
TCES 310	Signals and Systems+LAB	Fall	5		TEE 331	Applied Electromagnetics+LAB	Fall	4	
TEE 315	Electrical Circuits II+LAB	Fall	4		TEE 453	Digital Signal Processing	Fall	5	
TCES 390	Signals and Systems Seminar (optional)	Fall	2		TEE 480	Senior Project I	Fall	2	
TCES 312	Electronics & Analog Circuits+LAB	Winter	5		TEE 431	Power Systems+LAB	Winter	5	
TEE 317	Electric Machines+LAB	Winter	5		TEE 451	Control Systems+LaB	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+LAB	Spring	5		TEE 225	EE Ethics (W)	Spring	5	
TEE 316	Electronics & Analog Circuits II+LAB	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.

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