

B.S. Computer Engineering & Systems - Schedule Planning Grid
Effective Autumn 2020

Freshman Year					Sophomore Year				
Course #	Title	Quarter	Credits	Notes	Course #	Title	Quarter	Credits	Notes
TMATH 124	Calculus I	Fall	5		TMATH 308	Linear Algebra	Fall	5	
	English Comp I	Fall	5		TCSS 142	Intro to Programming	Fall	5	
	I & S Elective	Fall	5		T PHYS 121	Physics I (Mechanics)	Fall	6	
TMATH 125	Calculus II	Winter	5		TMATH 307	Differential Equations	Winter	5	
	Advanced Composition	Winter	5		TCSS 143	Object Oriented Programming	Winter	5	
	VLPA Elective	Winter	5		T PHYS 122	Physics II (Electromagnetism)	Winter	6	
TMATH 126	Calculus III	Spring	5		T PHYS 123*	Physics III (Waves)	Spring	6	
	VLPA Elective	Spring	5		TCES 215**	Electrical Circuits	Spring	5	
	I & S / DIV Elective	Spring	5		TCES 390	Electrical Circuits Seminar	Spring	2	
Junior Year					Senior Year				
Course #	Title	Quarter	Credits	Notes	Course #	Title	Quarter	Credits	Notes
TCES 203	CES Programming Practicum	Fall	5		TCES 420	Principles of Op Systems	Fall	4	
TCES 230	Logic Design	Fall	5		TCES 430	Microprocessors	Fall	5	
TCES 310	Signals and Systems	Fall	5		TCES 455	Devices and Controls	Fall	5	
TCES 390	Optional Seminar for TCES 310	Fall	2		TCES 480	Senior Project I	Fall	2	
TCES 312	Analog Electronics	Winter	5		TCES 460	Embedded System Design	Winter	5	
TCES 372	Machine Org & Architecture	Winter	5		TCES 481	Senior Project II	Winter	4	
TCSS 321	Discrete Structures	Winter	5		TCES 4XX	CES or CSS Elective	Winter	5	
TCES 380	Stochastic Signal Theory	Spring	5		TCSS 325	Computer Ethics	Spring	5	
TCES 330	Digital System Design	Spring	5		TCES 482	Senior Project III	Spring	4	
TCSS 342	Data Structures	Spring	5		TCES 4XX	CES or CSS Elective	Spring	5	

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 transfer equivalent (AC and DC required)