

Advising Sheet: B.S. CpE Standard Emphasis (Fall 2022)

Name: _____

ID: _____

Fall					Spring				
Freshman:	Hrs	Grade	Sem	Prereq/Coreq		Hrs	Grade	Sem	Prereq/Coreq
Writ 101	(3)					Writ 102	(3)		Writ 101
Math 261	(3)			Math ACT 24		Math 262	(3)		Math261 (Min C)
Chem 105	(3)			Math ACT 24, Chem115		Phys 211	(3)		Math262, Phys221
Chem 115	(1)			Chem105		Phys 221	(1)		Phys211
CSCI 256 Prog in Python.	(3)			Math 121 or higher		El E 235 Principles of Digital Systems	(3)		
El E 100	(1)					El E 236 Dig Sy Lab	(1)		El E 235 Coreq./Prereq.
SS Elective	(3)					Humanities Elect.	(3)		
Sophomore:									
Math 263	(3)			Math262 (Min C)		Math 264	(3)		Math263 (Min C)
Phys 212	(3)			Math262, Phys222, Phys211		Math 353 Diff. Eq.	(3)		Math263 (Min C)
Phys 222	(1)			Phys212		ENGR 310 Analys I	(3)		Math 262
ENGR 360 Elec Circ	(3)			Math262, Phys 212		ENGR 361 Circ Lab	(1)		ENGR 360
El E 385 Adv Dig Sys	(3)			El E 235 (Min C-)		Hu/FA/Lang	(3)		
El E 386 Adv Dig Lab	(1)			El E 385		CSCI 356# Data Struct. In Python	(3)		CSCI 256 or CSCI 112
El E 237 EIE Tools	(1)			El E 235					
Fine Arts	(3)								
Junior:									
El E 351# Electron. I	(3)			ENGR360 (Min C-), Math 353		Cp E 431# Comp. Architecture	(3)		El E 385
El E 485# Microp	(2)			El E 385, El E 486		EL E 352# Electro II	(3)		El E 351, El E 353
El E 486# Microp Lab	(1)			El E 485		El E 353# Electr Lab	(1)		ENGR 361, El E 352
EL E 331* Signals Sys	(3)			ENGR360 (Min C-), Math 353		ECE 361# Design & Design Tools	(1)		EL E 351, ENGR 361
						El E 322# Ele.Cir. II	(1)		ENGR 360
CSCI 423 Intro to Operating Systems	(3)			El E 385 (Min C-) or CSCI 356 (Min C-)		Tech. Elect. I	(3)		
Math 301 Discrete Math	(3)			Math 261		CSCI 433* Alg. Data Structures	(3)		Math 301, CSCI 356 (Min C-)
Senior:									
Cp E 461# Senior Design I	(1)			El E 385, El E 386, El E 485, El E 486		Cp E 462# Senior Design II	(3)		Cp E 461
El E 425* Local Area Network	(3)					Tech. Elective II	(3)		
Tech. Elective II	(3)					Tech. Elective II	(3)		
Tech. Elective III	(3)					Econ 310	(3)		
Tech. Elective III	(3)					SS/Hu/FA/Lang.	(3)		
Must have at least 3 hrs of Social Science course, Engineering Economy, and 9 hrs of Humanities and Fine Arts courses with at least 3 hrs in each; additional 3 hrs of Social Sciences or- Humanities or- Fine Arts and other approved course (General Studies) is required. Only 3 hrs. of a foreign language course can be counted as Hu.									
Social/Behavioral Science			Humanities			Fine Arts			
Technical Elective I: Choose one course from El E 391, 431, 586; Technical Elective II: Choose 3 courses from Cp E 421, 432, El E 482, 536; Technical Elective III: 6 hrs. total, choose from El E 447, 453, 533, 534, 535 or other courses from Technical Electives I, II not already completed or a maximum of 3 hrs. of CSCI at 300 level or above									
# means a course is only taught in a designated Fall/Spring semester.									
TOTAL = 128 HOURS									