

## Advising Sheet: B.S. Cp. E Computer Engineering (Fall 2020)

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 25, Chem115		Phys 211	(3)		Math262, Phys221
Chem 115	(1)			Chem105		Phys 221	(1)		Phys211
CSCI 256 Program. 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/H/FA	(3)					SS/H/FA	(3)		
<b>Sophomore:</b>									
Math 263	(3)			Math262 (Min C)		Math 264	(3)		Math263 (Min C)
Phys 212	(3)			Math262, Phys222, Phys211		Math 353 Diff. Eq.	(3)		Math263
Phys 222	(1)			Phys212		ENGR 310 Analys I	(3)		Math 262
ENGR 360 Elec. Circuits	(3)			Math263, Phys 212					
El E 385 Advanced Digital Systems	(3)			El E 235 (Min C-)		ENGR 361 Circuits Lab	(1)		ENGR 360
El E 386 Advanced Dig Systems Lab	(1)			El E 385		CSCI 356 Data Struc. in Python	(3)		CSCI 256(Min C) or CSCI 112(Min C)
SS/H/FA	(3)					SS/H/FA	(3)		
EL E 237# EE Tools	(1)			EL E 235					
<b>Junior:</b>									
El E 351# Electronics I	(3)			ENGR360 (Min C-), Math 353		CpE 431# Computer Architecture	(3)		El E 385 or CSCI 223
El E 485# Microprocessors	(2)			El E 385, El E 386, El E 486		El E 352# Electronics II	(3)		El E 351, El E 353
El E 486# Microprocessor Lab	(1)			El E 485		El E 353# Electronics Lab	(1)		ENGR 361, El E 352
EL E 331# Linear Sys	(3)			ENGR360 (Min C-), Math 353		El E 367# CAD in EE	(3)		El E 351, ENGR 361
Math 301 Discrete Math	(3)			Math 261 (Min C)		El E \$ xxx	(3)		Choice in CpE core
CSCI 423 Intro to Operating Systems	(3)			CSCI 356, El 385		CSCI 433 Algor. Data Structures	(3)		CSCI 356
<b>Senior:</b>									
CpE 461# Senior Design I	(1)			El E 353, El E 367		CpE 462# Senior Design II	(2)		CpE 461
El E 425# Local Area Network	(3)					Econ 310	(3)		
Tech. Electives	(9)					Tech. Electives	(6)		
						SS/H/FA	(3)		

**Must have at least 6 hrs of Social/Behavioral Science courses, and 9 hrs of Humanities and Fine Arts courses with at least 3 hrs in each; 15 hrs of Social/Behavioral Sciences - Humanities - Fine Arts and other approved courses are required. Must take 3 hrs Engineering Economy serving as a required liberal arts class**

Social/Behavioral Science	Humanities	Fine Arts

**Technical Electives** – No more than 3 hrs. of El E Tech. Elective; no more than 3 hrs. of CSCI at 300 level or above; \$ Choose one from El E 391, 431, 586

# means a course is only taught in a designated Fall/Spring semester.

**TOTAL = 126 HOURS**