

**Advising Sheet: B.S. Cp. E Computer Engineering Manufacturing Emphasis**  
(Fall 2023)

Name:

ID:

Fall					Spring				
Freshman:	Hrs	Grade	Sem	Prereq/Coreq		Hrs	Grade	Sem	Prereq/Coreq
MANF 150	(1)					MANF 152	(1)		MANF 150
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
SS Elective	(3)					El E 235 Principles of Digital Systems	(3)		
						El E 236 Dig Sy Lab	(1)		El E 235 Coreq./Prereq.
Humanities Elective	(3)					CSCI 256 Program. in Python	(3)		Math 121 or higher
<b>Sophomore:</b>									
MANF 251	(3)			MANF 152, MANF 252					
MANF 252	(1)			MANF 251		MANF 253	(3)		MANF 150
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)			Math262, Phys 212		CSCI 356 Data Struct. In Python	(3)		CSCI 256(Min C) or CSCI 112(Min C)
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					
EL E 237# EE Tools	(1)			EL E 235					
<b>Junior:</b>									
MANF 353	(3)			MANF 150		MANF 351	(1)		MANF 353, MANF 355
MANF 255	(1)					MANF 355	(1)		MANF 351
El E 351# Electronics I	(3)			ENGR360 (Min C-), Math 353		CpE 431# Computer Architecture	(3)		El E 385
El E 485# Microprocessors	(2)			El E 385, 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# Signal 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
Math 301 Discrete Math	(3)			Math 261 (Min C)		CSCI 433 Algor. Data Structures	(3)		Math 301, CSCI 356
CSCI 423 Intro to Operating Systems	(3)			CSCI 356, El 385					
<b>Senior:</b>									
MANF 455	(3)								
CpE 461# Senior Design I	(1)			El E 353, El E 386, ECE 361, El E 486		CpE 462# Senior Design II	(3)		CpE 461
El E 425# Local Area Network	(3)					Tech. Elective &&	(3)		
Tech. Elective &&	(3)					Tech. Elective &&	(3)		
ECON 310	(3)					H/FA/Language	(3)		
Fine arts Elective	(3)					SS/H/FA/Language	(3)		

**Must have at least 3 hrs of Social Science, Engineering Economy, and 9 hrs of Humanities and Fine Arts courses with at least 3 hrs in each; additional 3 hrs of Social Science or- Humanities or- Fine Arts or - language or - other approved course (General Studies) is required. Only 3 hrs. of a language course can be counted as Hu.**

# means a course is only taught in a designated semester; && choose 3 courses from CpE 421, Cp E 432, El E 482, El E 536

**TOTAL = 134 HOURS**