

Advising Sheet: B.S. EE Manufacturing Emphasis
(Fall 2024)

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
CSCI 256 Prog. In Python	(3)			Math 121 or higher		El E 235 Principles of Digital Systems	(3)		
Humanities Elective	(3)					El E 236 Dig Sy Lab	(1)		El E 235 Coreq./Prereq.
						SS Elective	(3)		
Sophomore:									
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 Circ	(3)			Math262, Phys 212					
El E 385 Adv Dig Sys	(3)			El E 235 (Min C-)		ENGR 361 Circ Lab	(1)		ENGR 360
El E 386 Advanced Dig Systems Lab	(1)			El E 385		CSCI 356 Data Struct. In Python	(3)		CSCI 256 (Min C-) or CSCI 112 (Min C-)
El E 237	(1)			El E 235					
Junior:									
MANF 353	(3)			MANF 150		MANF 351	(1)		MANF 353, MANF 355
MANF 255	(1)					MANF 355	(1)		MANF 351
El E 351# Electro I	(3)			ENGR360 (Min C-), Math 353		El E 341# Field Theo	(3)		El E 340
El E 485# Microp	(2)			El E 385, El E 386, 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 322# Ele.Cir. II	(1)		ENGR 360, Math 353
El E 331# Signal Sys	(3)			ENGR360 (Min C-), Math 353		ECE 361# Design & Design Tools	(1)		El E 351, ENGR 361
El E 340# EE Analys I	(3)			Math264, Math 353		El E 391# Probab. Random	(3)		El E 331
Senior:									
MANF 455	(3)								
El E 461# Senior Design I	(1)			El E 353, El E 386, ECE 361, El E 486		El E 462# Senior Design II	(3)		El E 461
El E 447# Mod, noise	(3)			El E 331					
ECON 310	(3)					El E 431# Control Theory	(3)		El E 331
Fine Arts Elective	(3)					El E Tech. Elective	(3)		
El E Tech. Elective	(3)					Hu/FA/Lang	(3)		
ENGR 309 Statics	(3)			Math 263, Phys 211		SS/Hu/FA/Lang.	(3)		
<p>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.</p> <p>Technical Electives – 6 credit hours of Technical Electives[®] (BME 301, 313, 314, 413; EL E 415, 425, 433, 441, 443, 451, 453, 482, 487, 523, 525, 533, 534, 535, 536, 586; Cp E 421, 431, 432; CSCI 361, 423, 433, 521, 530, 551, 561);</p>									
<p># means a course is only taught in a designated Fall/Spring semester. TOTAL = 134 HOURS</p>									