

**Advising Sheet: B.S. EE General Emphasis**  
(Fall 2021)

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.
					CSCI 356# Data Struc. In Python	(3)			CSCI 256 or CSCI 112
<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 (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-)	Econ 310	(3)			
El E 386 Adv Dig Lab	(1)			El E 385	Human. Elective	(3)			
El E 237 EIE Tools	(1)			El E 235					
SS Elective	(3)								
<b>Junior:</b>									
El E 351# Electro I	(3)			ENGR360 (Min C-), Math 353	El E 341# Field Theo	(3)			Math 264, El E 340
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	El E 367# CAD in EE	(3)			El E 351, ENGR 361
ENGR 309 Statics	(3)			Math 263, Phys 211	El E 391# Probab Random Sig	(3)			El E 331
El E 340# Elec Anal I	(3)			Math264, Math 353	El E 431# Control Theory	(3)			El E 331
<b>Senior:</b>									
El E 461# Senior Design I	(1)			El E 353, El E 367	El E 462# Senior Design II	(2)			El E 461
El E 447# Mod, noise	(3)			El E 331	Tech. Elective	(3)			
Fine Arts Elective	(3)				Tech. Elective	(3)			
Hu/FA/Lang	(3)				Tech. Elective	(3)			
Tech. Elective	(3)				Tech. Elective	(2)			
ENGR 321 Thermo	(3)			Chem 105, Math 262	SS/Hu/FA/Lang.	(3)			
<b>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.</b>									
Social/Behavioral Science			Humanities			Fine Arts			
<b>Technical Electives</b> – 14 credit hours of Technical Electives <sup>&amp;</sup> (BME 313, 314, 413; EL E 415, 425, 433, 441, 443, 451, 453, 482, 487, 523, 525, 533, 534, 535, 586; Cp E 421, 431, 432; CSCI 361, 423, 433, 521, 530, 551, 561);									
<sup>&amp;</sup> A maximum of 6 hrs. of 300+ level courses from CSCI, Math, Phys can be counted as technical electives, subject to approval by the Chair of ECE									
# means a course is only taught in a designated Fall/Spring semester.								<b>TOTAL = 128 HOURS</b>	