

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

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.
						S/H/F Elective	(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-)		CSCI 356 Data Struc. In Python	(3)		CSCI 256(Min C-) or CSCI 112(Min C-)
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)								
Junior:									
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		ECE 361 [#] Design & Design Tools	(1)		El E 351, ENGR 361
						El E 322 [#] Ele.Cir. II	(1)		ENGR 360, Math 353
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
Senior:									
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		ENGR 321 Thermo	(3)		Chem 105, Math 262
Fine Arts Elective	(3)					Econ 310	(3)		
Hu/FA elective	(3)					Tech. Elective	(3)		
Tech. Elective	(3)					Tech. Elective	(3)		
Tech. Elective	(3)					Tech. Elective	(2)		
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.									
Social/Behavioral Science			Humanities			Fine Arts			
Technical Electives – 14 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);									
^{&} 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.								TOTAL = 128 HOURS	