

Advising Sheet: B.S. EE BME Emphasis (November 2018)

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 251 Prog. for Sci. and Eng.	(3)			Math 261		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)					CSCI 259# Pro C++	(3)		CSCI 251 or CSCI 111
Sophomore:									
Math 263	(3)			Math262 (Min C)		Math 264	(3)		Math263 (Min C)
Phys 212	(3)			Math262, Phys222, Phys211		Math 353 Diff. Eq.	(3)		Math264
Phys 222	(1)			Phys212		ENGR 310 Analys I	(3)		Math 262
ENGR 360 Elec Circ	(3)			Math263, Phys 212		El E 386 Advanced Dig Systems Lab	(1)		El E 385
El E 385 Adv Dig Sys	(3)			El E 235 (Min C-)		ENGR 361 Circ Lab	(1)		ENGR 360
SS/H/FA	(3)					Econ 310	(3)		
El E 237#	(1)			El E 235		SS/H/FA	(3)		
Junior:									
El E 351# Electro I	(3)			ENGR360 (Min C-), Math 353		El E 314# Biomedical Meas.	(1)		Math 261, Phys 212
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# Elect 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
El E 313# Phys. BME	(3)			Chem 105, Math 261, Phys 212, CSCI 111 or CSCI 251		El E 413# Biomed Signal Pro	(3)		Math 353, ENGR 360, CSCI 111 or CSCI 251
El E 340# EE Analys I	(3)			Math264, Math 353		El E 431# Control Theory	(3)		El E 331
						El E 414# Biomedical Elect.	(1)		El E 351
Senior:									
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		El E 341# Field Theo	(3)		El E 340
Tech. Elective	(3)					El E 391# Random Signals	(3)		El E 331
Tech. Elective	(3)					ENGR 321 Thermo	(3)		Chem 105, Math 262
ENGR 309 Statics	(3)			Math 263, Phys 211		SS/H/FA	(3)		
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 – Any departmental approved 300+ level elective course

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

TOTAL = 128 HOURS