

# Advising Sheet: B.S. in Biomedical Engineering – (NEW) Biomolecular

(Revised Fall 2024)

Name: \_\_\_\_\_

ID: \_\_\_\_\_

FALL					SPRING				
Freshman (16)	Hrs	Grade	Prereq	Coreq	Freshman (17)	Hrs	Grade	Prereq	Coreq
Writ 101	3				Writ 102	3			
Math 261	3		Math ACT 24		Math 262	3		Math 261 (min C)	
Chem 105	3		Math ACT 24	Chem 115	Chem 106⚓	3		Chem 105 (min C)	Chem 116
Chem 115	1			Chem 105	Chem 116⚓	1			Chem 106
Bisc 160 ⚓	3		Math ACT 24	Bisc 161	Bisc 162⚓	3		Bisc 160 (min C)	Bisc 163
Bisc 161⚓	1			Bisc 160	Bisc 163⚓	1		Bisc 161 (min C)	Bisc 162
BME 200⚓	2			Math 261	CSCI 256⚓	3		Math 121	
Sophomore (17)					Sophomore (16)				
Math 263	3		Math 262 (min C)		Math 264	3		Math 263 (min C)	
Phys 211	3			Math 262, Phys 221	Math 353	3		Math 263 (min C)	
Phys 221	1			Phys 211	Phys 212	3		Phys 211	Math 262, Phys 222
BME 222⚓	3		Bisc 160 (min C), Chem 105 (min C)		Phys 222	1			Phys 212
Chem 221	3		Chem 106 (min C)		BME 311⚓	3		BME 222	
Chem 225	1		Chem 116	Chem 221	BME 305⚓	3		Bisc 160, Chem 106,	Math 353
SS/H/FA	3								
Junior (16)					Junior (16)				
BME 333⚓	3		BME 305 or Ch E 308		BME 314⚓	1		Math 261, Phys 212	
BME 313⚓	3		Math 353		BME 370⚓	3		CSCI 256, Math 353	
ENGR 360	3		Math 262, Phys 211	Phys 212	BME 444⚓	3		Math 353 and ENGR 360	
Bisc 333	4		Bisc 160,161, 162 & 163 (min C); Chem 105, 106 (min C)		BME 315	3		BME 313	BME 314
SS/H/FA	3				BME 520	3		BME 305 or Ch E 308	
					SS/H/FA	3			
Senior (15)					Senior (14)				
BME 461 ⚓	2		BME 444		BME 462 ⚓	2		BME 461	
ENGR 400⚓	1				ECON 310	3			
Elective	3				SS/H/FA	3			
Elective	3				Elective	3			
SS/H/FA	3				Elective	3			
Elective	3								
Must have at least 6 hrs of Social/Behavioral Science courses, 9 hrs of Humanities and Fine Arts course 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 (total of 18 hrs).									
<b>Choose (5) Electives</b>									
<b>(2) of which MUST be chosen from:</b>					<b>Chem 222 and Chem 471 must be together</b> BISC 303, BISC 306, BISC 336, BISC 440, BISC 504 Ch E 535, Ch E 540, Ch E 543 and Ch E 550 BME 510, BME 522, BME 523, BME 524				
BME 510, BME 522, BME 523, BME 524									
⚓ An anchor means a course is only taught in a designated Fall/Spring semester. However, the class may be taught in Summer session(s).									
					<b>Total = 126 Hours (127)</b>				