

**Advising Sheet: B.S. IN BME - Bioinformatics**  
(Revised July 2019)

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

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

Fall					Spring				
Freshman: (17)	Hrs	Grade	Sem	Prereq/Coreq	(17)	Hrs	Grade	Sem	Prereq/Coreq
Writ 101	(3)				Writ 102	(3)			
Math 261	(3)			Math ACT 24	Math 262	(3)			Math261 (Min C)
Chem 105	(3)			Math ACT 25, Chem115	Chem 106 ⚓	(3)			Chem105 (Min C), Chem116
Chem 115	(1)			Chem105	Chem 116 ⚓	(1)			Chem106 (Min C)
Bisc 160 ⚓	(3)			Math ACT 25, Bisc161	Bisc 162 ⚓	(3)			Bisc160 (Min C), Bisc163
Bisc 161 ⚓	(3)			Bisc160	Bisc 163 ⚓	(1)			Bisc161 (Min C), Bisc162
SS/H/FA	(3)				SS/H/FA	(3)			
<b>Sophomore: (17)</b>					<b>(18)</b>				
Math 263	(3)			Math262 (Min C)	Math 264	(3)			Math263 (Min C)
Phys 211	(3)			Math262, Phys221	Math 353	(3)			Math264
Phys 221	(1)			Phys211	Phys 212	(3)			Math262, Phys222, Phys211
CSCI 251	(3)			Math261	Phys 222	(1)			Phys212
BME 200 ⚓	(2)			Math261, Chem105	ChE 308 ⚓	(2)			Ch E 307 (Min C-), Math262 (Min C-)
ChE 307 ⚓	(2)			Chem106 (Min C)	ENGR 360	(3)			Math262, Phys211, Phys212
BME 222 ⚓	(3)			Bisc160 (Min C-), Chem105 (Min C-)	Econ 310 ⚓	(3)			
<b>Junior: (16)</b>					<b>(17)</b>				
Chem 221	(3)			Chem106 (Min C)	Bisc 336 ⚓	(4)			Bisc160,161,162,163 (all Min C)
Chem 225	(1)			Chem221	BME 314 ⚓	(1)			Math261, Phys212
BME 333 ⚓	(3)			ChE308 (Min C-) Bisc160 (Min C)	CSCI 475	(3)			CSCI 343
EL E 331 ⚓	(3)			ENGR360 (Min C-), Math353	BME 444 ⚓	(3)			BME 333, ELE 331
CSCI 343	(3)			CSCI 112 or 203 or 251	ENGR 310	(3)			Math262
BME 313 ⚓	(3)			Chem105, Math261, Phys212, Csci 251 (211)	SS/H/FA	(3)			
<b>Senior: (12)</b>					<b>(14)</b>				
BME 461 ⚓	(2)			BME444	BME 462 ⚓	(2)			BME461
ENGR 400	(1)				CSCI Elected # 2	(3)			
SS/H/FA	(3)				Track Elective	(3)			
CSCI Elected # 1	(3)				SS/H/FA	(3)			
Eng. Elective	(3)				Eng. Elective	(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**

**Required CSCI Elective Course (pick 2 of 5)**

1. CSCI 447 - Immersive Media (Prereq = CSCI 343)	4. CSCI 443 - Advanced Data Science (Prereq = CSCI 343)
2. CSCI 345 - Information Storage and Retrieval (Prereq = CSCI 343)	5. CSCI 444 - Information Visualization (Prereq = CSCI 343)
3. Csci 547: Digital Image Processing ((Prereq = Math 262 and CSCI 251)	

**Engineering Electives - Any 300+ level engineering course, Track Electives – Departmental (track) approved 300+ level in Bisc, Chem, Psy, Math, Phys or Engr**



**An anchor means a course is only taught in a designated Fall/Spring semester. However, the class may be taught in Summer session(s).**

**TOTAL = 128 HOURS**