

**Advising Sheet: B.S. in Chemical Engineering – Standard Option**  
**(For Graduating Class of 2022 and after)**

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

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

Fall					Spring				
Freshman:	Hrs	Grade	Sem	Prereq/Coreq		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)
Ch E 101 ⚓	(2)					Ch E 251	(3)		Math 261
SS/H/FA	(3)					Phys 211	(3)		Math262, Phys221
						Phys 221	(1)		Phys211
<b>Sophomore:</b>									
Math 263	(3)			Math262 (Min C)		Math 264	(3)		Math263 (Min C)
Chem 221	(3)			Chem106 (Min C)		Math 353	(3)		Math264
Chem 225	(1)			Chem221		Phys 212	(3)		Math262, Phys222, Phys211
Engr 321	(3)			Chem 105, Math 262		Phys 222	(1)		Phys212
Ch E 307 ⚓	(2)			Chem106 (Min C)		Ch E 308 ⚓	(2)		Ch E 307 (Min C-), Math262 (Min C-)
SS/H/FA	(3)					Engr 322 ⚓	(3)		ENGR 321 (Min C-), Math 262 (Min C-)
						SS/H/FA	(3)		
<b>Junior:</b>									
Ch E 317 ⚓	(3)			ENGR 322 (Min C-)		Ch E 345 ⚓	(3)		Ch E 308 (Min C-)
Ch E 421 ⚓	(3)			Math 264 (Min C-), Ch E 308 (Min C-)		Ch E 417 ⚓	(3)		Ch E 308 (Min C-), Ch E 421 (Min C-)
ChE 431	(1)			Ch E 308 (Min C-) Ch E 421		Ch E 423 ⚓	(3)		Math 353 (Min C-), Engr 322 (Min C-)
Engr 310	(3)			Math 262		Engr Elective**	(3)		
Advanced Science*	(3)					Tech Elective***	(3)		
SS/H/FA	(3)								
<b>Senior:</b>									
Ch E 411 ⚓	(1)			Ch E 451		Ch E 433 ⚓	(2)		Ch E 432 (Min C-)
Ch E 412 ⚓	(3)			Ch E 308 (Min C-), Math 353 (Min C-)		Ch E 452 ⚓	(3)		Ch E 451 (Min C-), Ch E 317 (Min C-)
Ch E 432 ⚓	(1)			Ch E 417 (Min C-)		Engr 313	(3)		Chem 105
Ch E 451 ⚓	(4)			Ch E 345 (Min C-), Ch E 421 (Min C-), Ch E 423 (Min C-), Ch E 417 (Min C-), Ch E 411		Tech Elective***	(3)		
Tech Elective***	(3)					Tech elective***	(3)		
SS/H/FA	(3)					SS/H/FA	(3)		

TOTAL = 128 HOURS

Must have at least 3 hrs of FA, 6 hrs of Hum from the same department, 6 hrs of serial SS from the same department, and an additional 3 hrs of SS or Hum.

Fine Arts	Humanities	Social Sciences

\*Advanced Science Courses – Engr 540, Ch E 543, Ch E 545, Ch E 547, Chem 314, Chem 331, Chem 332, Chem 334, Chem 373, Chem 401, Chem 471, Chem 473, Phys 315, Phys 317, Phys 318, Phys 319, Phys 321, Phys 401, Phys 402, Bisc 301, Bisc 306, Bisc 318, Bisc 320, Bisc 327, Bisc 333, Bisc 335, Engr 340, Geol 314, Geol 415, Geol 450, G E 503

\*\*Engineering Elective Courses – Engr 309, Engr 330, Engr 340, Engr 360, Engr 573, C E 471, C E 472, M E 534

\*\*\*Technical Elective – Any 300 or higher course number from among engineering, science, or mathematics

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

As alternative to the standard option in chemical engineering, a student may choose to obtain a B.S. in Chemical Engineering with one or more of the following five emphases: biotechnology, biomedical engineering, environmental, manufacturing (in collaboration with the Center for Manufacturing Excellence), and materials. Please see your advisor for more details.