

**Advising Sheet: B.S. in Chemical Engineering – Manufacturing Emphasis (Graduating Class of 2023 & after):**

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

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

Fall					Spring				
Freshman: [16]	Hrs	Grade	Sem	Prereq/Coreq	[18]	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 24, 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)				Manf 152 ⚓	(1)			Manf 150
Manf 150 ⚓	(1)			CME status	Phys 211	(3)			Math262, Phys221
					Phys 221	(1)			Phys211
<b>Sophomore: [16]</b>					<b>[17]</b>				
Math 263	(3)			Math262 (Min C)	Math 264	(3)			Math263 (Min C)
Phys 212	(3)			Phys 211, Math 262, Phys 222	Math 353	(3)			Math263 (Min C)
Phys 222	(1)			Phys 212	Ch E 308 ⚓	(2)			Ch E 307 (Min C-), Math262 (Min C-)
Engr 321	(3)			Chem 105, Math 262	Engr 322 ⚓	(3)			Math 262 (Min C-), ENGR 321
Ch E 307 ⚓	(2)			Chem106 (Min C)	SS/H/FA	(3)			
Manf 251	(3)			Manf 152 / Manf 252	Manf 253	(3)			Manf 150
Manf 252	(1)			Manf 251					
<b>Junior: [18]</b>					<b>[17]</b>				
Ch E 317 ⚓	(3)			Ch E 308 (Min C-)	Ch E 345 ⚓	(3)			Ch E 308 (Min C-)
Ch E 421 ⚓	(3)			Math 264 (Min C-), ENGR 321 (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-)
Chem 221	(3)			Chem106 (Min C)	Advanced Sci*	(3)			
Chem 225	(1)			Chem221	SS/H/FA	(3)			
Engr 310	(3)			Math 262	Manf 351	(1)			Manf 353 / Manf 355
Manf 255	(1)			Manf 251	Manf 355	(1)			Manf 255
Manf 353	(3)			Manf 150					
<b>Senior: [17]</b>					<b>[15]</b>				
Ch E 411 ⚓	(1)			Ch E 449	Ch E 433 ⚓	(2)			Ch E 317 (Min C-) AND Ch E 431 (Min C-) OR Ch E 432 (Min C-)
Ch E 412 ⚓	(3)			Ch E 308 (Min C-), Math 353 (Min C-)	Ch E 450 ⚓	(1)			Ch E 449 (Min C-)
Ch E 432 ⚓	(1)			Ch E 417 (Min C-), Ch E 423 (Min C-)	Ch E 452 ⚓	(3)			Ch E 449 (Min C-), Ch E 317 (Min C-)
Ch E 449 ⚓	(3)			Ch E 345 (Min C-), Ch E 421 (Min C-), Ch E 423 (Min C-), Ch E 417 (Min C-), Ch E 411	Engr 313	(3)			Chem 105
Manf 455	(3)			Manf 351	SS/H/FA	(3)			
Bus 250	(3)				Manf 4XX/Other	(3)			OPTIONAL
SS/H/FA	(3)								

**TOTAL = 131 HOURS**

SS/H/FA: 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 Bus 250. Speech and Math content courses such as Psy 202 and Econ 230 may not be used to satisfy any of the 18 credits of required SS/Hum/FA/GenEd coursework.

Fine Arts

Humanities

Social Sciences

\*Advanced Science Courses – Engr 340, Engr 540, Ch E 543, Ch E 545, Ch E 547, Geol 314, G E 415, G E 450, G E 503, 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

⚓ An anchor means a course is only taught in a designated Fall/Spring semester. However, ‘some’ of these classes may be taught in Summer session(s). Check the catalog as appropriate.

