

Advising Sheet: B.S. in Chemical Engineering – Manufacturing Emphasis (For Graduating Class up to 2022):

Name: _____

ID: _____

Fall					Spring				
Freshman: [16]	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)
Ch E 101 ⚓	(2)				Ch E 251 ⚓	(3)			Math 261
SS/H/FA	(3)				Manf 251	(3)			Manf 252
Manf 150	(1)				Manf 252	(1)			Manf 251
Manf 250**	(1)								
Sophomore: [18]					[18]				
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 211	(3)			Math262, Phys221
Engr 321	(3)			Chem 105, Math 262	Phys 221	(1)			Phys211
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)			Math 262 (Min C-), ENGR 321
Manf 253	(3)			Manf 150	Manf 254	(3)			Manf 251
Junior: [17]					[16]				
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-), 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-), Engr 322 (Min C-), Ch E 421	Ch E 423 ⚓	(3)			Math 353 (Min C-), Engr 322 (Min C-)
Phys 212	(3)			Phys 211, Math 262, Phys 222	Advanced Sci*	(3)			
Phys 222	(1)			Phys 212	SS/H/FA	(3)			
Engr 310	(3)			Math 262	Manf 351	(1)			Manf 251
Manf 350	(3)			Manf 254					
Senior: [15]					[17]				
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 450	(3)			Manf 350	Bus 250	(3)			
Manf 451	(1)			Manf 351, Manf 450	Manf 452	(2)			Manf 451
SS/H/FA	(3)				SS/H/FA	(3)			

TOTAL = 134 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.

** Recommended, but not required.

⚓ 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.