

Advising Sheet: B.S. in Chemical Engineering – Manufacturing Emphasis
For Graduating Class of 2023 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)					Phys 211	(3)		Math262, Phys221
SS/H/FA	(3)					Phys 221	(1)		Phys211
Manf 150	(1)			CME Status		Ch E 251	(3)		Math 261
						Manf 152	(1)		Manf 150
Sophomore:									
Math 263	(3)			Math262 (Min C)		Math 264	(3)		Math263 (Min C)
Engr 321	(3)			Chem 105, Math 262		Math 353	(3)		Math264
Ch E 307	(2)			Chem106 (Min C)		Ch E 308	(2)		Ch E 307 (Min C-), Math262 (Min C-)
Phys 212	(3)			Math262, Phys222, Phys211		Engr 322	(3)		ENGR 321 (Min C-), Math 262 (Min C-)
Phys 222	(1)			Phys212		SS/H/FA	(3)		
Manf 251	(3)			Manf 152/Manf 252		Manf 253	(3)		Manf 150
Manf 252	(1)			Manf 152/Manf 251					
Junior:									
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-)
Chem 221	(3)			Chem106 (Min C)		Ch E 423	(3)		Math 353 (Min C-), Engr 322 (Min C-)
Chem 225	(1)			Chem221		Advanced Science*	(3)		
SS/H/FA	(3)					SS/H/FA	(3)		
Manf 353	(3)			Manf 150		Manf 351	(1)		
Manf 255	(1)			Manf 251		Manf 355	(1)		Manf 255
Senior:									
Ch E 411	(1)			Ch E 451		Ch E 446	(2)		Ch E 317 (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 445	(2)			Ch E 417 (Min C-)		Engr 310	(3)		Math 262
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		Engr 313	(3)		Chem 105
SS/H/FA	(3)					SS/H/FA	(3)		
Manf 455	(3)					Manf 4XX	(3)		Optional Elective (not required for emphasis)

TOTAL = 134 HOURS

Must have at least 3 hrs of Fine Arts, 6 hrs of Humanities from the same department, 6 hrs of serial Social Sciences from the same department, and an additional 3 hrs of Social Sciences or Humanities.

Fine Arts	Humanities (from same dept.)	Social Sciences (from same dept.)	SS/H/FA/Gen. Ed.

*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



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