


Advising Sheet: B.S. in Engineering – Manufacturing Emphasis
 Fall 2022 Catalog and Forward

Name: _____

ID: _____

Fall					Spring				
Freshman:	Hrs	Grade	Sem	Prereq/Coreq		Hrs	Grade	Sem	Prereq/Coreq
Writ 101	(3)				Writ 102	(3)			Writ 101
Math 261	(3)			Math ACT 24	Math 262	(3)			Math 261 (Min C)
Chem 105	(3)			Math ACT 24, Chem 115	Chem 106 ⚓	(3)			Chem 105 (Min C), Chem 116
Chem 115	(1)			Chem 105	Chem 116 ⚓	(1)			Chem 106 (Min C)
Engr 100	(3)				Csci 251	(3)			Math 261
Manf 150	(1)			CME Status	Manf 152	(1)			Manf 150
					Humanities Elective	(3)			
Total Hours	14				Total Hours	17			
Sophomore:									
Math 263	(3)			Mat h262 (Min C)	Math 264	(3)			Math 263 (Min C)
Phys 211	(3)			Math 262, Phys 221	Math 353	(3)			Math 264
Phys 221	(1)			Phys 211	Phys 212	(3)			Phys 211, Math 262, Phys 222
Engr 309	(3)			Math 263, Phys 211	Phys 222	(1)			Phys 212
Manf 251	(3)			Manf 152/Manf 252	Engr 321	(3)			Chem 105, Math 262
Manf 252	(1)			Manf 152/Manf 251	Manf 253	(3)			Manf 150
Econ 202	(3)								
Total Hours	17				Total Hours	16			
Junior:									
Engr 360	(3)			Math 262, Phys 211, Phys 212	Engr 361	(1)			Engr 360
Engr 313	(3)			Chem 105	Engr 310	(3)			Math 262
Engr 314	(1)			Engr 313	Engr 323	(3)			Phys 211, Math 264, Engr 309
Manf 255	(1)			Manf 251	Engr 312	(3)			Engr 309
Manf 353	(3)			Manf 150	Manf 351	(1)			
Econ 203	(3)			Econ 202 (Min C)	Manf 355	(1)			Manf 255
Fine Arts Elective	(3)				Accy 201	(3)			
Total Hours	17				Total Hours	15			
Senior:									
Engr Elective (3XX or higher)	(3)				Engr Elective (3XX or higher)	(3)			
Engr 400 ⚓	(1)				Engr 450 ⚓	(3)			Engr 321, Engr 330, Engr 310
Engr 330 ⚓	(3)			Phys 212, Math 353	Accy 202	(3)			Accy 201
Econ 310	(3)				Engr Elective (3XX or higher)	(3)			
Manf 460 ⚓	(3)			Junior Standing	Humanities or Fine Arts Elective	(3)			
Manf 455	(3)								
Total Hours	16				Total Hours	15			
TOTAL = 130 HOURS									
Must have at least 18 hours of fine arts, humanities, social sciences, and general education courses according to the filled and unshaded cells below.									
Fine Arts	Humanities			FA/Hum	Social Science			Gen Ed or SS/Hum/FA	
						Econ 310	Econ 202		
						Econ 203			

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

Note: MANF 251 (3-hr) is considered part of the emphasis in manufacturing, and also fulfills the requirement for 200-level Engr Elective.