

**Advising Sheet: B.S. in Engineering – Standard Option**  
 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, <b>Chem 115</b>		Chem 106	(3)		Chem 105 (Min C), <b>Chem 116</b>
Chem 115	(1)			<b>Chem 105</b>		Chem 116	(1)		<b>Chem 106</b> (Min C)
Engr 100	(3)					Csci 251	(3)		<b>Math 261</b>
Fine Arts Elective	(3)					Humanities Elective	(3)		
<b>Total Hours</b>	16					<b>Total Hours</b>	16		
<b>Sophomore:</b>									
Math 263	(3)			Math 262 (Min C)		Math 264	(3)		Math 263 (Min C)
Phys 211	(3)			<b>Math 262, Phys 221</b>		Math 353	(3)		<b>Math 264</b>
Phys 221	(1)			<b>Phys 211</b>		Phys 212	(3)		Phys 211, <b>Math 262, Phys 222</b>
Engr 309	(3)			<b>Math 263, Phys 211</b>		Phys 222	(1)		<b>Phys 212</b>
Emphasis Course*	(3)					Engr 321	(3)		Chem 105, Math 262
Hum/FA Elective	(3)					Emphasis Course*	(3)		
<b>Total Hours</b>	16					<b>Total Hours</b>	16		
<b>Junior:</b>									
Engr 360	(3)			Math 262, Phys 211, <b>Phys 212</b>		Engr 361	(1)		Engr 360
Engr 313	(3)			Chem 105		Engr 310	(3)		Math 262
Engr 314	(1)			<b>Engr 313</b>		Engr 323	(3)		Phys 211, <b>Math 264, Engr 309</b>
Engr 312	(3)			Engr 309		Engr Elective (2XX or higher)	(3)		
Emphasis Course*	(3)					Emphasis Course*	(3)		
Social Science Elective	(3)					Emphasis Course*	(3)		
<b>Total Hours</b>	16					<b>Total Hours</b>	16		
<b>Senior:</b>									
Engr Elective (3XX or higher)	(3)					Engr Elective (3XX or higher)	(3)		
Engr 400 ⚓	(1)					Engr Elective (3XX or higher)	(3)		
Engr 330 ⚓	(3)			Phys 212, <b>Math 353</b>		Engr 450 ⚓	(3)		Engr 321, Engr 330, Engr 310
Econ 310	(3)					Emphasis Course*	(3)		
Manf 460 ⚓	(3)			Junior Standing		SS/H/FA/Gen. Ed.	(3)		
Emphasis Course*	(3)								
<b>Total Hours</b>	16					<b>Total Hours</b>	15		
<b>TOTAL = 127 HOURS</b>									
Must have at least 18 hours of fine arts, humanities, social sciences, and general education courses according to the filled and unshaded cells below. 15 hrs of choice									
Fine Arts	Humanities			FA/Hum		Social Science		Gen Ed or SS/Hum/FA	
						Econ 310			
⚓	An anchor means a course is only taught in a designated Fall/Spring semester. However, the class may be taught in Summer session(s).								

\*This emphasis is based on individually designed curricula that permit the student to obtain a strong background in engineering while simultaneously giving the student a broad education outside these areas of study. The 21 hours of emphasis courses must be organized around a coherent theme and must be pre-approved by the director of general engineering.