

**Advising Sheet: B.S. in Engineering – Standard Option**  
**2024-2025 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
Engr 100	(3)					Csci 251/256	(3)		Math 261
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)			Math 262, Phys 221		Math 353	(3)		Math 263 (Min C)
Phys 221	(1)			Phys 211		Phys 212	(3)		Phys 211 Phys 222
Engr 309	(3)			Math 263, Phys 211		Phys 222	(1)		Phys 212
Engr 201	(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, 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
Emphasis Course*	(3)					Engr Elective (2XX or higher)	(3)		
Emphasis Course*	(3)					Engr 431 ⚓	(3)		
Econ 310	(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 312	(3)			Engr 309		Engr Elective (3XX or higher)	(3)		
Engr 400 ⚓	(1)					Engr 452 ⚓	(1)		Engr 451
Engr 451 ⚓	(2)			Engr 321 (Min C-), Econ 310 (Min C-), Engr 431 (Min C-),		Emphasis Course*	(3)		
Social Science Elective	(3)					Emphasis Course*	(3)		
Manf 460 ⚓	(3)			Junior Standing		SS/H/FA/Gen. Ed.	(3)		
<b>Total Hours</b>	15					<b>Total Hours</b>	16		

TOTAL = 127 HOURS

Must have at least 18 hours of fine arts, humanities, social sciences, and general education courses according to fill the unshaded cells below.

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 18-hour emphasis courses must be organized around a coherent theme and must be pre-approved by the director of general engineering.
- **Aerospace Studies** Students must complete 18 hrs from the following: AS 101, AS 102, AS 105, AS 111, AS 112, AS 201, AS 202, AS 211, AS 212, AS 301, AS 302, AS 311, AS 312, AS 401, AS 402, AS 411, and AS 412
- **Military Science** Students must complete 18 hrs from the following: MSL 201, 202, 203, 301, 302, 340, 399, 401, 402, or ISS 125
- **Naval Science:** Students must complete 18 hrs from the following: NSC 211, 212, 213, 215, 216, 310, 312, 313, 315, 316, 317, 318, 320, 410, 412, 413, 415, 416, 417, or 418