










BSME – Standard Option
2022 FALL Catalog Requirements

Name: _____

ID: _____

Fall					Spring				
Freshman:	Hrs	Grade	Term	Prereq/Co-req		Hrs	Grade	Term	Prereq/Co-req
Writ 101	3				Writ 102	3			
Math 261	3			Math ACT 24 Min	Math 262	3			Math 261 (Min C)
Chem 105	3			Math ACT 24 Min, Chem 115	Chem 106	3			Chem 105 (Min C)
Chem 115	1			Chem 105	Chem 116	1			Chem 106
Social Science Elective	3				ME 101	1			
Humanities Elective	3				Social Science Elective	3			
					Humanities Elective	3			
Sophomore:	16					17			
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 264
Phys 221	1			Phys 211	Phys 212	3			Phys 211, Phys 222
CSCI 256 or 251	3			ACT 22, ALEKS 61, or Math 121+	Phys 222	1			Phys 212
ME 201	2				ENGR 309	3			Phys 211, Math 263
Fine Arts Elective	3				ENGR 321	3			Math 262, Chem 105
Junior:	15					16			
ENGR310 or Math 375	3			Math 262 or Math 261 (Min C)	ENGR 323	3			Phys 211, ENGR 309, Math 264
ENGR 312	3			ENGR 309	M E 324 	3			ENGR 312
ENGR 313	3			Chem 105	M E 325 	3			ENGR 309
ENGR 314	1			ENGR 313	ENGR 361	1			ENGR 360
ENGR 360	3			Phys 211, Math 262, Phys 212	ENGR 420	3			Math 353
ENGR 330 	3			Phys 212, Math 353	ECON 310	3			
Senior:	16					16			
M E 401 	3			ENGR 321, ENGR 323	M E 402 	3			ME 401
M E 416	1			ENGR 312, ME 325	ENGR 553 	3			ENGR 321, ENGR 323, ENGR420
M E 426 	3			ME 324, ENGR 330	M E 419	1			ENGR 321, ENGR 323
Thermal/Fluid Elective*	3			ENGR 321, ENGR 323	M E 428 	3			ME 426
Design Elective**	3				M E 438 	3			ME 428
Social Science, Hum, FA, or GenEd Elective	3				Engineering Elective***	3			
	16					16			


Must have at least 21 hours of fine arts, humanities, social sciences, and general education courses according to filled and unshaded cells below. 18 hrs of choice. BSME students must earn 6 hrs of elective Social Science courses plus one required Social Science course (3-hr ECON 310) and 9 hrs of Humanities and Fine Arts courses with at least 3 hrs in each. Note: Approved list of GenEd courses includes select ROTC courses; BUS 250, 271; MGMT 371, GB 370, and SPCH 102, 105.

Social Science (9 hrs):	Humanities / Fine Arts (9 hrs):	Social Science, Humanities, Fine Arts, or GenEd (3 hr):
ECON 310 (3 hr) - required		

*Thermal/Fluid Elective Courses: ME 406, ME 529, ENGR 551 or other approved Thermal/Fluid course.

**Design Elective Courses: ME 406, ME 417, ME 418, ME 422, ME 523, ME 524, ME 526, ME 527, ME 531, ME 534, ME 535, ME 536, ME 538, ME 540, ME 541, ME 543, ME 555 and ENGR 559.

***Engineering Elective: Any above listed Thermal/Fluid or Design Course, or Other Elective including ME 417, ME 418, ME 421, ME 521, ME 522, ME 523, ME 524, ME 529, ME 530, ME 532, ME 533, ME 534, ME 537, ME 543, Engr410, Engr515, Engr551, Engr 546, Engr 554, Engr558, Engr585, Engr590, and Engr593.

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

TOTAL = 128 HOURS