

Materials Science and Engineering Four Year Academic Plan

Name: _____

UID: _____

Year 1	Fall		
Gateway requirements include: ENGL 101, CHEM 135, MATH 141, PHYS 161 and an approved (Directly admitted freshman must successfully complete these courses and ENES 100 by 45 UM credits.)	Course	Credit	Grade
	ENES 102	3	
	MATH 140 (AR)	4	
	CHEM 135	3	
	CHEM 136	1	
	ENGL 101 (AW)	3	
	Total	14	

Spring		
Course	Credit	Grade
ENES 100 (SP)	3	
MATH 141	4	
PHYS 161	3	
Hist & Social Sciences (HS)*	3	
Humanities (HU)*	3	
Total	16	

Year 2	Fall		
	Course	Credit	Grade
	MATH 241	4	
	PHYS 260 and PHYS 261 (NL)	3 & 1	
	ENMA 300	3	
	ORAL COMM (OC)	3	
	Total	14	

Spring		
Course	Credit	Grade
MATH 246	3	
PHYS 270 and PHYS 271 (NL)	3 & 1	
ENMA 301	3	
CHEM 231 & 232 OR 481	3 & 1 OR 3	
Total	14 or 13	

Year 3	Fall		
	Course	Credit	Grade
	ENMA 310	3	
	ENMA 362	4	
	ENMA 460	3	
	Specialization Elective	3	
	Hist & Social Sciences (HS)*	3	
	Total	16	

Spring		
Course	Credit	Grade
ENMA 311	3	
ENMA 461	3	
ENMA 465	3	
Specialization Elective	3	
Scholarship in Practice (SP)*	3	
Total	15	

Year 4	Fall		
	Course	Credit	Grade
	ENMA 463	3	
	ENMA 471	3	
	Specialization Elective	3	
	Technical Elective	3	
	Upper Level Science Elec.	3	
	ENGL 393 (PW)	3	
Total	18		

Spring		
Course	Credit	Grade
ENMA 426	3	
ENMA 490	3	
Specialization Elective	3	
Technical Elective	3	
Humanities (HU)*	3	
Total	15	

*All students must complete two Distributive Studies courses that are approved for I series courses. The Understanding Plural Societies (UP) and Cultural Competence (CC) courses may also fulfill Distributive Studies categories.

