

Name: _____

Exp. Grad.: Fall _____ / Spring _____

**Materials Science and Engineering
Curriculum by Semester Planning Guide**
(For students entering Fall 2016 – Spring 2017)

Semester 1		Semester 2		Semester 3		Semester 4	
Course (cr. hr.)	X	Course (cr. hr.)	X	Course (cr. hr.)	X	Course (cr. hr.)	X
CHEM 105 (4)		CHEM 106 (4)		CEMS 214 (3)		CEMS 215 (3)	
ENGL 101 (4)*** (If needed)		ENGR 104 (2)		ENGR 110 (4)		CEMS 216 (3)	
ENGR 101 (2)		ENGR 360(0)		ENGR 360 (0)		CEMS 235 (4)	
ENGR 102 (2)		MATH 152 (4)		MATH 253 (4)		ENGR 360 (0)	
ENGR 160 (0)		PHYS 125 (4)		PHYS 126 (4)		MATH 271 (3)	
MATH 151 (4)		ENGR 11x* (1)		Hum/SS/Arts (4)		Hum/SS/Arts (4)	
Hum/SS/Arts (4)		ENGR 11x* (1)					
		*Select 2 ENGR 11x Engr Explorations Labs					
Total (16)		Total (16)		Total (19)		Total (17)	

***Credits do not count towards graduation

Semester 5		Semester 6		Semester 7		Semester 8	
Course (cr. hr.)	X	Course (cr. hr.)	X	Course (cr. hr.)	X	Course (cr. hr.)	X
CEMS 237 (4)		CEMS 251 (3)		CEMS 314 (3) (or 316)		CEMS 446 (3)	
CEMS 322 (3)		CEMS 334 (3)		CEMS 336 (3)		ENGR 360 (0)	
CEMS 347 (2)		CEMS 344 (4)		CEMS 342 (4)		ENGR 480 (2)	
CEMS 349 (2)		ENGR 220 (4)		ENGR 360 (0)		Hum/SS/Arts (4)	
ENGR 306 (2)		ENGR 360 (0)		ENGR 480 (2)		Tech elective (3)	
ENGR 305 (3)		ENGR 395 (2)		Tech Elective (3)		Tech elective (3)	
ENGR 360 (0)		Tech elective (3)					
Total (16)		Total (19)		Total (15)		Total (15)	

Disclaimer: This curriculum by semester planning guide is provided to help students plan their schedule. Official graduation requirements for students entering in a given year are stated in the undergraduate catalog for that year.

Please familiarize yourself with these University and School-wide requirements:

1. AU Global Perspective Requirement
2. AU Physical Education Requirement
3. SOE Minimum Credit Requirement: At least 128 credits, excluding physical education
4. SOE GPA requirement and 'D' policy
5. SOE Written Communication Requirement: Typically ENGL 101 and ENGR 110. Some students may be exempt from ENGL 101, which does not count towards the minimum credits required for graduation.
6. SOE Humanities/Social Science/Arts Requirement

Degree Evaluation

Definitions of Electives:

BIOL Electives: BIOL 302, BIOL 307, BIOL 308, BIOL 420, BIOL 422

Technical Electives: (1) Most 300- and 400-level courses designated CEMS, CHEM, ENGR, MATH, MECH, PHYS, or RNEW. Exceptions include MATH 331 and some special topic courses. (2) One of FIN 348 OR MGMT 328 for all majors except BME; (3) BIOL electives listed above for BME only, (4) CEMS 203 for MSE majors only.