

Name: \_\_\_\_\_ Exp. Grad.: Fall \_\_\_\_\_ / Spring \_\_\_\_\_

**Biomaterials 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)		BIOL 150 (4)		CEMS 214 (3)		BIOL 211 (4)	
ENGL 101 (4)** (if needed)		CHEM 106 (4)		ENGR 110 (4)		CEMS 215 (3)	
ENGR 101 (2)		ENGR 104 (2)		ENGR 360 (0)		CEMS 216 (3)	
ENGR 102 (2)		ENGR 360 (0)		MATH 253 (4)		CEMS 235 (4)	
ENGR 160 (0)		MATH 152 (4)		PHYS 125 (4)		ENGR 360 (0)	
MATH 151 (4)		ENGR 11x* (1)				MATH 271 (3)	
Hum/SS/Arts (4)		ENGR 11x* (1)					
		*Select 2 ENGR 11x Engr Explorations Labs					
<b>Total (16)</b>		<b>Total (16)</b>		<b>Total (15)</b>		<b>Total (17)</b>	

\*\*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 336 (3)		BIOL 402 (4) <i>or</i> BIOL Elective		CEMS 465 (4)		BIOL Elective (4) <i>or</i> BIOL 402	
CEMS 347 (2)		CEMS 251 (3)		CEMS 466 (3) <i>or</i> BIOL 307		ENGR 360 (0)	
CEMS 349 (2)		CEMS 334 (3)		CEMS 468 (3)		ENGR 480 (2)	
CEMS 368 (3)		CHEM 310 (3)		ENGR 480 (2)		Tech Elective (3)	
ENGR 306 (2)		ENGR 305 (3) <i>or</i> BIOL 226		ENGR 360 (0)		Tech Elective (3)	
ENGR 360 (0)		ENGR 360 (0)		Hum/SS/Arts (4)		Hum/SS/Arts (4)	
Hum/SS/Arts (4)		ENGR 395 (2)					
<b>Total (16)</b>		<b>Total (18)</b>		<b>Total (16)</b>		<b>Total (16)</b>	

**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.