

Name: _____

Exp. Grad.: Fall _____ / Spring _____

Glass Engineering Science
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 342 (4)		CEMS 328 (3)	
CEMS 322 (3)		CEMS 325 (2)		CEMS 423 (3)		ENGR 360 (0)	
CEMS 347 (2)		CEMS 344 (4)		ENGR 360 (0)		ENGR 480 (2)	
CEMS 349 (2)		ENGR 220 (4)		ENGR 480 (2)		Hum/SS/Arts (4)	
ENGR 305 (3)		ENGR 360 (0)		Tech elective (3)		Tech elective (3)	
ENGR 306 (2)		ENGR 395 (2)		Tech elective (3)		Tech elective (3)	
ENGR 360 (0)		Tech elective (3)					
Total (16)		Total (18)		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.

Name: _____

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**Glass Engineering Science
Progress toward Degree (1/2)**
(For students entering Fall 2016 – Spring 2017)

Directions: Before submitting an **Application for Graduation** to the Registrar's Office, students should complete this **Progress toward Degree Form** in consultation with their advisor.

Written Communication Requirement	Req. Cr. hrs.	Substitution/Waiver/Transfer & Institution, if not AU	Cr. Hrs. or IP*
ENGL 101 or equivalent	0		
ENGR 110 – Technical Comm.	4		

Humanities / Social Science / Arts Requirement	Substitution/Waiver/Transfer & Institution, if not AU	Designation A,B,C,D,E, II	Cr. Hrs. or IP*
Hum/SS/ Arts Total (≥ 16 cr. hrs.)			

Humanities/Social Science/Arts Additional Requirement	Check if met (X or NA)
At least 16 credits (excluding ENGL 101 and ENGR 110)	
At least 3 Designated Areas	
No more than 4 credit hours of Arts counting towards 16 credits	

Mathematics Requirement	Req. Cr. hrs.	Substitution/Waiver/Transfer & Institution, if not AU	Cr. Hrs. or IP*
MATH 151	4		
MATH 152	4		
MATH 253	4		
MATH 271	3		
ENGR 305	3		
Mathematics Total	18		

Chemistry Requirement	Req. Cr. hrs.	Substitution/Waiver/Transfer & Institution, if not AU	Cr. Hrs. or IP*
CHEM 105	4		
CHEM 106	4		
Chemistry Total	8		

Physics Requirement	Req. Cr. hrs.	Substitution/Waiver/Transfer & Institution, if not AU	Cr. Hrs. or IP*
PHYS 125	4		
PHYS 126	4		
Physics Total	8		

*Enter number of credit hours completed or IP=In progress

Name: _____

Exp. Grad.: Fall _____ / Spring _____

**Glass Engineering Science
Progress toward Degree (2/2)**
(For students entering Fall 2016 – Spring 2017)

Basic Engineering Requirement	Req. Cr. hrs.	Substitution/Waiver/Transfer & Institution, if not AU	Cr. Hrs. or IP*
ENGR 101	2		
ENGR 102	2		
ENGR 104	2		
ENGR 111-116 (pick 2)	2		
Basic Engineering Total	8		

Glass Engineering Science Requirement	Req. Cr. hrs.	Substitution/Waiver/Transfer & Institution, if not AU	Cr. Hrs. or IP*
CEMS 214	3		
CEMS 215	3		
CEMS 216	3		
CEMS 235	4		
CEMS 237	4		
CEMS 251	3		
CEMS 322	3		
CEMS 325	2		
CEMS 328	3		
CEMS 342	4		
CEMS 344	4		
CEMS 347	2		
CEMS 349	2		
CEMS 423	3		
ENGR 220	4		
ENGR 306	2		
ENGR 395	2		
ENGR 480	4		
Technical Elective I	3		
Technical Elective II	3		
Technical Elective III	3		
Technical Elective IV	3		
Technical Elective V	3		
Glass Engineering Science Total	70		

Additional Requirements	Substitution/ waivers, if any	Check if Met (X)
Engineering seminar		
Global Perspective		
ENGR GPA and "D" Policy	N/A	
Physical Education / Wellness I		
Physical Education / Wellness II		
Total Eligible Credits \geq 128	(excluding ENGL 101 & Phys. Ed. Credits)	

*Enter number of credit hours completed or IP=In progress