

Name: \_\_\_\_\_

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

**Ceramic Engineering  
Curriculum by Semester**  
(For students entering Fall 2017 – Spring 2018)

<b>Semester 1</b>		<b>Semester 2</b>		<b>Semester 3</b>		<b>Semester 4</b>	
<b>Course (cr. hr.)</b>	<b>X</b>	<b>Course (cr. hr.)</b>	<b>X</b>	<b>Course (cr. hr.)</b>	<b>X</b>	<b>Course (cr. hr.)</b>	<b>X</b>
CHEM 105 (4)		CHEM 106 (4)		CEMS 214 (3)		CEMS 203 (3)	
ENGL 101 (4)*** (If needed)		ENGR 104 (2)		ENGR 110 (4)		CEMS 215 (3)	
ENGR 101 (2)		ENGR 160 (0)		ENGR 360 (0)		CEMS 216 (3)	
ENGR 102 (2)		MATH 152 (4)		MATH 253 (4)		CEMS 235 (4)	
ENGR 160 (0)		PHYS 125 (4)		PHYS 126 (4)		ENGR 360 (0)	
MATH 151 (4)		ENGR 11x* (1)		Hum/SS/Arts (4)		MATH 271 (3)	
Hum/SS/Arts (4)		ENGR 11x* (1)					
		*Select 2 ENGR 111-116 Engr Explorations Labs					
<b>Total (16)</b>		<b>Total (16)</b>		<b>Total (19)</b>		<b>Total (16)</b>	

\*\*\*Credits do not count towards graduation

<b>Semester 5</b>		<b>Semester 6</b>		<b>Semester 7</b>		<b>Semester 8</b>	
<b>Course (cr. hr.)</b>	<b>X</b>	<b>Course (cr. hr.)</b>	<b>X</b>	<b>Course (cr. hr.)</b>	<b>X</b>	<b>Course (cr. hr.)</b>	<b>X</b>
CEMS 237 (4)		CEMS 251 (3)		CEMS 342 (4)		CerE elective (3)	
CEMS 314 (3)		CEMS 317 (3)		ENGR 360 (0)		ENGR 360 (0)	
CEMS 322 (3)		CEMS 344 (4)		ENGR 480 (2)		ENGR 480 (2)	
CEMS 347 (2)		ENGR 220 (4)		CerE elective (3)		Hum/SS/Arts (4)	
CEMS 349 (2)		ENGR 305 (3)		Hum/SS/Arts (4)		Tech elective (3)	
ENGR 306 (2)		ENGR 395 (2)		Tech elective (3)		Tech elective (3)	
ENGR 360 (0)		ENGR 360 (0)					
<b>Total (16)</b>		<b>Total (19)</b>		<b>Total (16)</b>		<b>Total (15)</b>	

**Additional Requirements:**

1. AU Global Perspective
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

[Current SOE requirements](#)[Degree Evaluation](#)**Definitions of Electives:****Ceramic Engineering Electives:** CEMS 316, 318, 322, 328, 352, 411, 415, 464

**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

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**Ceramic Engineering**  
**Progress toward Degree (1/2)**  
*(For students entering Fall 2017 – Spring 2018)*

**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 Requirements	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 Requirements	Substitution/Waiver/Transfer & Institution, if not AU	Designation: A,B,C,D,E, II	Cr. Hrs. or IP*
<b>Hum/SS/ Arts Total (≥ 16 cr. hrs.)</b>			

Humanities/Social Science/Arts Additional Requirements	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 Requirements	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		
<b>Mathematics Total</b>	<b>18</b>		

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

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

\*Enter number of credit hours completed or IP (In progress)

Name: \_\_\_\_\_

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

**Ceramic Engineering**  
**Progress toward Degree (2/2)**  
*(For students entering Fall 2017 – Spring 2018)*

Basic Engineering Requirements	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 (select 2)	2		
<b>Basic Engineering Total</b>	<b>8</b>		

Ceramic Engineering Requirement	Req. Cr. hrs.	Substitution/Waiver/Transfer & Institution, if not AU	Cr. Hrs. or IP*
CEMS 203	3		
CEMS 214	3		
CEMS 215	3		
CEMS 216	3		
CEMS 235	4		
CEMS 237	4		
CEMS 251	3		
CEMS 314	3		
CEMS 317	3		
CEMS 322	3		
CEMS 342	4		
CEMS 344	4		
CEMS 347	2		
CEMS 349	2		
ENGR 220	4		
ENGR 306	2		
ENGR 395	2		
ENGR 480	4		
Ceramic Elective I	3		
Ceramic Elective II	3		
Technical Elective I	3		
Technical Elective II	3		
Technical Elective III	3		
<b>Ceramic Engineering Total</b>	<b>71</b>		

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

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