



COLLEGE OF ENGINEERING, ARCHITECTURE & TECHNOLOGY
OKLAHOMA STATE UNIVERSITY

Requirements for Students **Matriculating** in or before Academic Year 2017-2018

BACHELOR of SCIENCE in CHEMICAL ENGINEERING

MAJOR: Chemical Engineering

OPTION: Biomedical/Biochemical

Minimum Overall Grade Point Average: 2.00
(cumulative graduation/retention GPA)

Total Hours: 134

Other GPA requirements, see below.

GENERAL EDUCATION REQUIREMENTS: 43 HOURS			MAJOR REQUIREMENTS: 42 HOURS	
Area	Hours	To be selected from:		
English Composition	6	<u>ENGL 1113 or 1313</u> , 1213 or 1413 (3323 may be substituted for 1213) (See Academic Regulation 3.5 in Catalog)	Mathematics	<u>MATH 2233 or 3263</u>
American History & Government	6	HIST 1103 (or 1483 or 1493), POLS 1113	Chemistry	CHEM 3433
Analytical & Quantitative Thought (A)	10	<u>MATH 2144, 2153, 2163</u>	Chemical Engineering	<u>CHE 2033</u> <u>CHE 2581</u> CHE 3013 CHE 3113 CHE 3123 CHE 3333 CHE 3473 CHE 3581 CHE 4002 CHE 4112 CHE 4124 CHE 4224 CHE 4581 CHE 4843
Humanities (H)	6	PHIL 3833 or equivalent with Chemical Engineering Advisor approval and a 3 hour course designated (H)		
Natural Sciences (N) Must include one Laboratory Science (L) course.	9	<u>CHEM 1515, BIOL 1114</u>		
Social & Behavioral Sciences (S)	6	Any course designated (S)		
DIVERSITY (D) & INTERNATIONAL DIMENSION (I) May be completed in any part of the degree plan. At least one Diversity (D) course At least one International Dimension (I) course			CONTROLLED ELECTIVES: 9 HOURS	
COLLEGE/DEPARTMENTAL REQUIREMENTS: 40 HOURS			Advanced Chemical Science	3 hours from ANSI 3423, BIOC 3653, 3723, 4113, BIOL 3023, CHEM 3153, 3353, 3553, 4020, FDSC 3373, 4373, GEOL 4403, MICR 3033, or similar advanced chemical transformation of matter courses approved by school advisors. Cannot use both ANSI 3423 & BIOL 3023 or BIOC 3653 & 3713.
Basic Science	8	<u>PHYS 2014, 2114</u>	Bioengineering/ Bioscience Electives	6 hours from BAE 3113, 3423, 4413, BIOC 3653, 4113, 4224, 5824, BIOL 1604, 3023, CHE 4283, 4293, 5283, 5293, MICR 2123 & 2132, 3033
Engineering	3	ENGR 1111, <u>1412</u>		
Engineering Science	18	ENSC 2113, 2143, 2613, <u>2213, 3233, 3313</u>		
Mathematics	3	STAT 2013, 2023, 2053, 4013, 4033, 4053, or 4073		
Chemistry	8	<u>CHEM 3053, 3112, 3153</u> . The combination of BIOC 3653 and 3723 may be substituted for the combination of CHEM 3112 and 3153.		
<p><u>Admission to Professional School (required):</u> Refer to the OSU Catalog corresponding to your matriculation date for detailed admissions requirements.</p> <p><u>Graduation Requirements:</u> 1. A minimum GPA of 2.00 is required in all CHE, CHEM, ENGR, and ENSC coursework. 2. The major engineering design experience, capstone course, is satisfied by CHE 4124 and 4224.</p>			<p><u>Note:</u> All General Education coursework requirements are satisfied upon completion of this degree plan.</p>	
<p><u>Additional State/OSU Requirements</u> – At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU. Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours. Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation. Degrees that follow this plan must be completed by the end of Summer 2023.</p>				

Signature on file in the Office of the Registrar

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DEAN

DEPARTMENT HEAD