



# COLLEGE OF ENGINEERING, ARCHITECTURE & TECHNOLOGY

OKLAHOMA STATE UNIVERSITY

General Requirements for Students Matriculating in Academic Year 2012-2013

**BACHELOR of SCIENCE in CHEMICAL ENGINEERING**

**MAJOR: Chemical Engineering**

**Total Hours: 130**

**Minimum Overall Grade Point Average: 2.00**

*(Cumulative Graduation/Retention GPA), other GPA requirements see below.*

<b>GENERAL COURSES: 33 HOURS</b>			<b>MAJOR REQUIREMENTS/PROFESSIONAL SCHOOL</b>		
<i>Shaded courses identify courses that must be completed prior to admission to professional school.</i>			<b>COMMON PROFESSIONAL SCHOOL: 23 HOURS</b>		
Area	Hours	To be selected from:	Area	Hours	To be selected from:
English Composition & Oral Communication	3	ENGL 1113 or 1313	Engineering	2	ENGR 1352
American History & Government	6	HIST 1103, POLS 1113	Engineering Science	9	ENSC 2143, 2613, 3313
Analytical & Quantitative Thought (A)	13	MATH 2144, 2153, 2163, 2233 or 3263	Advanced Chemical Science	3	From ANSI 3423, BIOC 3653, 3723, 4113, BIOL 3023, CHEM 3353, 3553, 4020, FDSC 3373, 4473, GEOL 4403, MICR 3033 or similar advanced chemical transformation of matter courses approved by school advisors.
Humanities (H)	3	Any course designated (H). Consult the college & departmental requirements.			
Social & Behavioral Sciences (S)	3	Any course designated (S). Consult the college & departmental requirements.			
Natural Sciences (N)	5	CHEM 1515	English Composition & Oral Communication	3	ENGL 1213 or 1413 (3323 may be substituted for 1213, subject to Academic Regulation 3.5)
Diversity (D)	--	Any course designated (D). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.	Humanities (H)	3	Any course designated (H). Consult the college & departmental requirements.
International Dimension (I)	--	Any course designated (I). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.	Social & Behavioral Sciences (S)	3	Any course designated (S). Consult the college & departmental requirements.
Scientific Investigation (L)	--	Any course designated (L). Normally met by Natural Sciences and/or Basic Science requirements.	<b>SPECIFIC PROFESSIONAL SCHOOL: 34 HOURS</b> Admitted to Professional School of Chemical Engineering.		
<b>COLLEGE/DEPARTMENTAL REQUIREMENTS: 34 HOURS</b>			Chemistry	3	CHEM 3433
Mathematics	3	STAT 2013, 2023, 2053, 4013, 4033, 4053, or 4073	Chemical Engineering	31	CHE 3013, 3113, 3123, 3333, 3473, 4002, 4112, 4124, 4224, 4581, 4843
Basic Science	8	PHYS 2014, 2114			
Engineering	3	ENGR 1111, 1412	<b>CONTROLLED ELECTIVES: 6 HOURS</b>		
Engineering Science	9	ENSC 2113, 2213, 3233	Complete 6 credits of restricted electives. See school policy and approved course list. CHE advisor must approve.		
Chemical Engineering	3	CHE 2033			
Chemistry	8	CHEM 3053, 3112, 3153. The combination of BIOC 3653 and 3723 may be substituted for the combination of CHEM 3112 & 3153.			

**Admission to Professional School (required):**

Refer to the OSU Catalog corresponding to your matriculation date for detailed admissions requirements.

**Note:** All General Education coursework requirements are satisfied upon completion of this degree plan.

**Graduation Requirements:**

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.
3. Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as the changes do not delay graduation or result in semester hours being added.
4. Students will be held responsible for satisfying University Academic Regulations 1.1 – 7.11, as applicable.

Signature on file in the Office of the Registrar

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Dean

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Department Head