



COLLEGE OF ENGINEERING, ARCHITECTURE & TECHNOLOGY
OKLAHOMA STATE UNIVERSITY

General Requirements for Students Matriculating in Academic Year 2011-2012

BACHELOR of SCIENCE in CHEMICAL ENGINEERING

MAJOR: Chemical Engineering OPTION: Biomedical/Biochemical

Minimum Overall Grade Point Average: 2.00

Total Hours: 134

(cumulative graduation/retention GPA)

Other GPA requirements see below.

GENERAL EDUCATION REQUIREMENTS: 47 HOURS			MAJOR REQUIREMENTS: 70 HOURS					
Area	Hours	To be selected from:	SPECIFIC PROFESSIONAL SCHOOL REQUIREMENTS: 61 HOURS					
Underlined courses below are Pre-Engineering requirements used simultaneously to meet General Education requirements.			BIOL	1114				
English Composition & Oral Communication	6	ENGL 1113 or 1313, 1213 or 1413, 3323. (See Academic Regulation 3.5)	CHE	2033	3123	4002	4224	
American History & Government	6	HIST 1103; POLS 1113		3013	3333	4112	4581	
Analytical & Quantitative Thought (A)	13	MATH <u>2144</u> , <u>2153</u> , 2163, 2233 or 3263		3113	3473	4124	4843	
Humanities (H)	6	Courses designated (H) at OSU. Consult the college & departmental requirements. Must include PHIL <u>3823</u> or <u>equivalent with Chemical advisor approval.</u>	CHEM	3053				
Natural Sciences (N)	13	CHEM <u>1515</u> , PHYS <u>2014</u> , <u>2114</u>		3112 *				
Social & Behavioral Sciences (S)	3	Courses designated (S) at OSU. Consult the college & departmental requirements.		3153 *				
Diversity (D)	--	Courses designated (D). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.		3433				
International Dimension (I)	--	Courses designated (I). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.	ENSC	3233				
Scientific Investigation (L)	--	Courses designated (L). Normally met by Natural Sciences and/or Basic Science requirements.		3313				
COLLEGE/DEPARTMENTAL REQUIREMENTS			STAT	2013, 2023, 2053, <u>4013</u> , 4033, 4053 or 4073				
PRE-ENGINEERING: 17 HOURS			Social & Behavioral Sciences (S) 3 Courses designated (S) at OSU. Consult the college & departmental requirements.					
Engineering	5	ENGR 1111, 1412	*The combination CHEM 3112 and 3153 may be replaced by the combination BIOE 3653 and 3723.					
Engineering Science	12	ENSC 2113, 2143, 2213, 2613	CONTROLLED ELECTIVES: 9 HOURS					
			Advanced Chemical Science	3	ANSI 3423; BIOE 3653, 3723, 4113; BIOL 3023; CHEM 3153, 3353, 3553, 4020; FDSC 3373, 4473; GEOL 4403; MICR 3033			
			Bioengineering/Bioscience	6	BAE 3113, 3423, 4423			
			Electives		BIOC 3653, 4113, 4224, 5824; BIOL 3023; CHE 4283, 4293, 5283, 5293; MICR 2123 & 2132, 3033; ZOO 1604			

Other Requirements:

Admission to professional school is required. Please refer to the OSU Catalog corresponding to your matriculation date for detailed admission requirements.

A student must complete course work at OSU satisfying academic regulation 7.2.

A student must complete at least 60 credit hours at a senior college.

A 2.00 GPA is required in all course work listed in the right hand column above.

The major engineering design experience, capstone course, requirement is satisfied by CHE 4124 and 4224.

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.

Signature on file in the Office of the Registrar

Signature on file in the Office of the Registrar

DEAN

DEPARTMENT HEAD