



# COLLEGE OF ENGINEERING, ARCHITECTURE & TECHNOLOGY

OKLAHOMA STATE UNIVERSITY

General Requirements for Students Matriculating in Academic Year 2012-2013

**BACHELOR of SCIENCE in BIOSYSTEMS ENGINEERING**

**MAJOR: Biosystems Engineering**

**OPTION: Food Processing**

**Minimum Overall Grade Point Average: 2.00**

**Total Hours: 133**

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

<b>GENERAL COURSES: 32 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: 42 HOURS</b>		
Area	Hours	To be selected from:	Area	Hours	To be selected from:
English Composition & Oral Communication	6	ENGL 1113 or 1313, 1213 or 1413 (3323 may be substituted for 1213, subject to Academic Regulation 3.5)	Mathematics	3	STAT 2013, 2023, or 2053
American History & Government	6	HIST 1103, POLS 1113	Engineering Science	6	ENSC 2143, 2613
Analytical & Quantitative Thought (A)	13	MATH 2144, 2153, 2163, 2233	Engineering Economics	3	IEM 3503
Social & Behavioral Sciences (S)	3	Any course designated (S).			
Natural Sciences (N)	4	CHEM 1414	Biosystems Engineering	21	BAE 3013, 3023, 3113, 3213, 3313, 4001, 4012, 4023
Diversity (D)	--	Any course designated (D). 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).
International Dimension (I)	--	Any course designated (I). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.	Humanities (H)	6	Any courses designated (H).
Scientific Investigation (L)	--	Any course designated (L). Met by the CHEM 1414 requirement.	<b>SPECIFIC PROFESSIONAL SCHOOL: 22 HOURS</b> <i>Admitted to Professional School of Biosystems Engineering.</i>		
<b>COLLEGE/DEPARTMENTAL REQUIREMENTS: 37 HOURS</b>					
Basic Science	12	BIOL 1114, PHYS 2014, 2114	Biosystems Engineering	3	BAE 4413
Engineering	4	ENGR 1322, 1412	Organic Chemistry	3	CHEM 3053
Biosystems Engineering	9	BAE 1012, 1022, 2012, 2023	Microbiology	5	MICR 2123, 2132
Engineering Science	12	ENSC 2113, 2123, 2213, 3233 Complete ENSC 2113, 3233, and 2 other ENSC courses prior to admission to Professional School.	Controlled Electives	11	Engineering and/or science electives to be selected from an approved list upon consultation with an advisor.

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

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

**Graduation Requirements:**

1. A minimum GPA of 2.00 is required in Professional School coursework (right hand column above).
2. A 'C' or better is required in each course that is a prerequisite for a major course.
3. The major engineering design experience is satisfied by 4012 and 4023.
4. 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.
5. Students will be held responsible for satisfying University Academic Regulations 1.1 – 7.11, as applicable.

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

Signature on file in the Office of the Registrar

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Dean

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Department Head