



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: Bioprocessing & Biotechnology

Minimum Overall Grade Point Average: 2.00

Total Hours: 133

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

GENERAL COURSES: 32 HOURS			MAJOR REQUIREMENTS/PROFESSIONAL SCHOOL		
<i>Shaded courses identify courses that must be completed prior to admission to professional school.</i>			COMMON PROFESSIONAL SCHOOL: 42 HOURS		
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
Natural Sciences (N)	4	CHEM 1414	Biosystems Engineering	21	BAE 3013, 3023, 3113, 3213, 3313, 4001, 4012, 4023
Social & Behavioral Sciences(S)	3	Any course designated (S).	Social & Behavioral Sciences(S)	3	Any course designated (S).
Diversity (D)	--	Any course designated (D). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.	Humanities (H)	6	Any courses designated (H).
International Dimension (I)	--	Any course designated (I). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.	SPECIFIC PROFESSIONAL SCHOOL: 22 HOURS <i>Admitted to Professional School of Biosystems Engineering.</i>		
Scientific Investigation (L)	--	Any course designated (L). Met by the CHEM 1414 requirement.	Biosystems Engineering	3	BAE 4283
COLLEGE/DEPARTMENTAL REQUIREMENTS: 37 HOURS			Microbiology	5	MICR 2123, 2132
Basic Science	12	BIOL 1114, PHYS 2014, 2114	Organic Chemistry	3	CHEM 3053
Engineering	4	ENGR 1322, 1412	Biochemistry	3	BIOC 3653
Biosystems Engineering	9	BAE 1012, 1022, 2012, 2023	Biochemistry Lab	3	BIOC 3723
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	5	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.

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 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.

Signature on file in the Office of the Registrar

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Dean

Department Head