



COLLEGE OF ENGINEERING, ARCHITECTURE & TECHNOLOGY
OKLAHOMA STATE UNIVERSITY

General Requirements for Students Matriculating in Academic Year 2011-2012

BACHELOR of SCIENCE in BIOSYSTEMS ENGINEERING

MAJOR: Biosystems Engineering OPTION: Bioprocessing & Biotechnology

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

Total Hours: 133

Other GPA requirements see below.

GENERAL EDUCATION REQUIREMENTS: 38 HOURS			MAJOR REQUIREMENTS: 68 HOURS		
Area	Hours	To be selected from:	COMMON PROFESSIONAL SCHOOL: 46 HOURS		
Underlined courses below are Pre-Engineering requirements used simultaneously to meet General Education requirements.			Mathematics 3 STAT 2013, 2023, or 2053		
English Composition & Oral Communication	6	ENGL 1113 or 1313, 1213 or 1413.	Engineering Science 3 ENSC 3233		
American History & Government	6	HIST 1103; POLS 1113	Basic Science 4 BIOL <u>1114</u>		
Analytical & Quantitative Thought (A)	13	MATH <u>2144</u> , <u>2153</u> , 2163, 2233	Engineering Economics 3 IEM 3503		
Humanities (H)	6	Any course designated (H) at OSU. Consult the college & departmental requirements.	Biosystems Engineering 30 BAE 1012, 1022, 2012, 2023, 3013, 3023, 3113, 3213, 3313, 4001, 4012, 4023		
Natural Sciences (N)	4	CHEM <u>1414</u>	Social & Behavioral Sciences (S) 3 Any course designated (S) at OSU. Consult the college & departmental requirements.		
Social & Behavioral Sciences (S)	3	Any course designated (S) at OSU. Consult the college & departmental requirements.	SPECIFIC OPTION REQUIREMENTS: 22 HOURS		
Diversity (D)	--	Any courses designated (D). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.	Admitted to the Professional School of Biosystems Engineering. (See Professional School admission requirements in the <i>Catalog</i> .)		
International Dimension (I)	--	Any course designated (I). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.	Biosystems Engineering 3 BAE 4283		
Scientific Investigation (L)	--	Any course designated (L). Normally met by Natural Sciences and/or Basic Science requirements.	Microbiology 5 MICR 2123, 2132		
COLLEGE/DEPARTMENTAL REQUIREMENTS PRE-ENGINEERING: 27 HOURS			Organic Chemistry 3 CHEM 3053		
Basic Science	8	PHYS <u>2014</u> , <u>2114</u>	Biochemistry 3 BIOC 3653		
Engineering	4	ENGR 1322, 1412	Biochemistry Lab 3 BIOC 3723		
Engineering Science	15	ENSC 2113, 2123, 2143, 2213, 2613	Controlled Electives 5 Engineering and/or science electives to be selected from an approved list upon consultation with an adviser.		

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.
 A "C" or better is required in each course that is a prerequisite to BAE courses.
 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

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DEAN

DEPARTMENT HEAD