



COLLEGE OF ENGINEERING, ARCHITECTURE & TECHNOLOGY
OKLAHOMA STATE UNIVERSITY

General Requirements for Students Matriculating in Academic Year 2009-2010

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.

GENERAL EDUCATION REQUIREMENTS: 38 HOURS		
Area	Hours	To be selected from:
Underlined courses below are Pre-Engineering requirements used simultaneously to meet General Education requirements.		
English Composition & Oral Communication	6	ENGL 1113 or 1313 and 1213 or 1413.
American History & Government	6	HIST 1103; POLS 1113
Analytical & Quantitative Thought (A)	13	MATH <u>2144</u> , <u>2153</u> , 2163, 2233
Humanities (H)	6	Any course designated (H) at OSU. Consult the college & departmental requirements.
Natural Sciences (N)	4	CHEM <u>1414</u>
Social & Behavioral Sciences (S)	3	Any course designated (S) at OSU. Consult the college & departmental requirements.
Diversity (D)	–	Any courses designated (D). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.
International Dimension (I)	–	Any course designated (I). Students are encouraged to meet the requirement in their selection of (H) or (S) course work.
Scientific Investigation (L)	–	Any course designated (L). Normally met by Natural Sciences and/or Basic Science requirements.
COLLEGE/DEPARTMENTAL REQUIREMENTS		
PRE-ENGINEERING: 27 HOURS		
Basic Science	8	PHYS <u>2014</u> , <u>2114</u>
Engineering	4	ENGR 1322, 1412
Engineering Science	15	ENSC 2113, 2123, 2143, 2213, 2613

MAJOR REQUIREMENTS: 68 HOURS		
COMMON PROFESSIONAL SCHOOL: 46 HOURS		
Mathematics	3	STAT 2013, 2023, or 2053
Engineering Science	3	ENSC 3233
Basic Science	4	BIOL <u>1114</u>
Engineering Economics	3	IEM 3503
Biosystems Engineering	30	BAE 1012, 1022, 2012, 2023, 3013, 3023, 3113, 3213, 3313, 4001, 4012, 4023
Social & Behavioral Sciences (S)	3	Any course designated (S) at OSU. Consult the college & departmental requirements.
SPECIFIC OPTION REQUIREMENTS: 22 HOURS		
Admitted to the Professional School of Biosystems Engineering. (See Professional School admission requirements in the <i>Catalog</i> .)		
Biosystems Engineering	3	BAE 4413
Organic Chemistry	3	CHEM 3053
Microbiology	5	MICR 2123, 2132
Controlled Electives	11	Engineering and/or science electives to be selected from an approved list upon consultation with an adviser.

Other 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.

Garrett M. Reed

DEAN

Ronald Z. Elliott

DEPARTMENT HEAD