



OKLAHOMA STATE UNIVERSITY

COLLEGE OF ENGINEERING, ARCHITECTURE AND TECHNOLOGY

GENERAL REQUIREMENTS FOR STUDENTS MATRICULATING IN ACADEMIC YEAR: 2007-2008

BACHELOR OF SCIENCE IN BIOSYSTEMS ENGINEERING

MAJOR BIOSYSTEMS ENGINEERING OPTION BIOPROCESSING & BIOTECHNOLOGY

MINIMUM OVERALL GRADE-POINT AVERAGE: 2.00 TOTAL HOURS: 133

Other GPA requirements, see below.

GENERAL EDUCATION REQUIREMENTS <u>41</u> HOURS			MAJOR REQUIREMENTS <u>65</u> HOURS		
Area	Hours	To Be Selected From	COMMON PROFESSIONAL SCHOOL <u>43</u> HOURS		
Underlined courses below are Pre-Engineering requirements used simultaneously to meet General Education requirements.			Mathematics		
English Composition and Oral Communication	6	ENGL <u>1113</u> or 1313, 1213 or 1413.	3	STAT 4073	
American History and Government	6	HIST 1103; POLS 1113	3	ENSC 3233	
Analytical and Quantitative Thought (A)	13	MATH <u>2144</u> , <u>2153</u> , 2163, 2233	4	BIOL <u>1114</u>	
Humanities (H)	6	Any course designated (H) at OSU. Consult the college and departmental requirements.	3	IEM 3503	
Natural Sciences (N)	4	CHEM <u>1414</u>	30	BAE 1012, 1022, 2012, 2023, 3013, 3023, 3113, 3213, 3313, 4001, 4012, 4023	
Social and Behavioral Sciences (S)	6	Any courses designated (S) at OSU. Consult the college and departmental requirements.	SPECIFIC OPTION REQUIREMENTS <u>22</u> HOURS		
International Dimension (I)	--	Any course designated (I). 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 Catalog)		
Scientific Investigation (L)	--	Any course designated (L). Normally met by Natural Science and/or Basic Science requirements.	Biosystems Engineering	3	BAE 4283
COLLEGE/DEPARTMENTAL REQUIREMENTS PRE-ENGINEERING <u>27</u> HOURS			Microbiology	5	MICR 2123, 2132
Basic Science	8	PHYS <u>2014</u> , <u>2114</u>	Organic Chemistry	3	CHEM 3053
Engineering	4	ENGR 1322, 1412	Biochemistry	3	BIOC 3653
Engineering Science	15	ENSC <u>2113</u> , 2123, 2143, 2213, 2613	Biochemistry Lab	3	BIOC 3723
			Controlled Electives	5	Engineering and/or science electives to be selected from an approved list upon consultation with an adviser.

Other Requirements:

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

A "C" or better is required for all courses that are prerequisite to BAE courses.

Students will be held responsible for degree requirements in effect at the time of matriculation (date at first enrollment) & any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.

DEAN

DEPARTMENT HEAD