



**COLLEGE OF ENGINEERING, ARCHITECTURE & TECHNOLOGY**  
**OKLAHOMA STATE UNIVERSITY**

Requirements for Students **Matriculating** in or before Academic Year 2017-2018

**BACHELOR of SCIENCE in BIOSYSTEMS ENGINEERING**

**MAJOR: Biosystems Engineering**

**OPTION: Bioprocessing & Food Processing**

**Minimum Overall Grade Point Average: 2.00**

**Total Hours: 128**

**(cumulative graduation/retention GPA)**

*Other GPA requirements, see below.*

<b>GENERAL EDUCATION REQUIREMENTS: 45 HOURS</b>			<b>MAJOR REQUIREMENTS: 36 (OR 38) HOURS</b>
Area	Hours	To be selected from:	
English Composition	6	<u>ENGL 1113 or 1313</u> , 1213 or 1413 (3323 may be substituted for 1213) (See Academic Regulation 3.5 in Catalog)	Common Professional School: 21 hours  STAT 4033 or 4073 IEM 3503 BAE 3013, 3023, 3213, , 4001, 4012, 4023  Specific Professional School: 15 (or 17) hours  BAE 4283, 4413 MICR 2123, 2132 BIOC 2344 OR (BIOC 3653 AND CHEM 3053)
American History & Government	6	HIST 1103 (or 1483 or 1493), POLS 1113	
Analytical & Quantitative Thought (A)	10	<u>MATH 2144, 2153, 2163</u>	
Humanities (H)	6	Courses designated (H)	
Natural Sciences (N) Must include one Laboratory Science (L) course.	8	CHEM 1414, BIOL 1114	
Social & Behavioral Sciences (S)	3	Any course designated (S)	
Additional General Education	3	Courses designated A, H, N, or S	
Additional General Education	3	Any course designated A or N	
<b><i>DIVERSITY (D) &amp; INTERNATIONAL DIMENSION (I)</i></b> May be completed in any part of the degree plan. At least one Diversity (D) course At least one International Dimension (I) course			
<b>COLLEGE/DEPARTMENTAL REQUIREMENTS: 38 HOURS</b>			<b>CONTROLLED ELECTIVES: 9 (OR7) HOURS</b>
Basic Science	8	<u>PHYS 2014, 2114</u>	9 (or 7) hours of engineering and/or science electives to be selected from an approved list upon consultation with an advisor.
Mathematics	3	MATH 2233	
Engineering & Engineering Science	17	ENGR 1332, ENSC 2113, 2143, 2213, 2613, 3233 Complete ENSC 2113, 3233, and 2 other ENSC courses prior to admission to Professional School.	
Biosystems Engineering	10	BAE 1012, 1022, <u>2013, 2023</u>	

Other Requirements: Admission to Professional School is required. Refer to the OSU Catalog corresponding to your matriculation date for detailed admission requirements. A minimum grade of 'C' is required in each course that is a prerequisite for a major course. Students are required to complete the Fundamentals of Engineering (FE) exam prior to graduation. A minimum of 40 semester credit hours and 100 grade points must be earned in courses numbered 3000 or above. A 2.00 GPA or higher in upper-division hours.

Additional State/OSU Requirements – At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU. Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours. 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. Degrees that follow this plan must be completed by the end of Summer 2023.

Signature on file in the Office of the Registrar

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DEAN

DEPARTMENT HEAD