# 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: Environment and Natural Resources**

**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, 1213 or 1413. |
| American History & Government | 6 | HIST 1103; POLS 1113 |
| Analytical & Quantitative Thought (A) | 13 | MATH 2144, 2153, 2163, 2233 |
| Humanities (H) | 6 | Any course designated (H) at OSU. Consult the college & departmental requirements. |
| Natural Sciences (N) | 4 | CHEM 1414 |
| 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: 24 HOURS*

| | | |
|---|---|---|
| Basic Science | 8 | PHYS 2014, 2114 |
| Engineering | 4 | ENGR 1322, 1412 |
| Engineering Science | 12 | ENSC 2113, 2143, 2213, 2613 |

### *MAJOR REQUIREMENTS: 71 HOURS*

#### *COMMON PROFESSIONAL SCHOOL: 46 HOURS*

| | | |
|---|---|---|
| Mathematics | 3 | STAT 2013, 2023, or 2053 |
| Engineering Science | 3 | ENSC 3233 |
| Basic Science | 4 | BIOL 1114 |
| 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: 25 HOURS*

Admitted to the Professional School of Biosystems Engineering.
(See Professional School admission requirements in the *Catalog*.)

| | | |
|---|---|---|
| Biosystems Engineering | 3 | BAE 4313 |
| Soil Science | 4 | SOIL 2124 |
| Ecology | 4 | BIOL 3034 |
| Organic Chemistry | 3 | CHEM 3053 |
| Controlled Electives | 11 | 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

*DEAN*

Signature on file in the Office of the Registrar

*DEPARTMENT HEAD*