



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

**General Requirements for Students Matriculating in Academic Year 2011-2012**

**BACHELOR of SCIENCE in AEROSPACE ENGINEERING**

**MAJOR: Aerospace Engineering**

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

**Total Hours: 127**

*Other GPA requirements see below.*

| <b>GENERAL EDUCATION REQUIREMENTS: 38 HOURS</b>   |       |   | <b>MAJOR REQUIREMENTS: 61 HOURS</b>  |  |  |
|---|-------|---|--|--|--|
| Area  | Hours | To be selected from:  | <b>COMMON PROFESSIONAL SCHOOL: 12 HOURS</b>  |  |  |
| Underlined courses below are Pre-Engineering requirements used simultaneously to meet General Education requirements. |       |   | Engineering Science 6 ENSC 3233, 3313  |  |  |
| English Composition & Oral Communication  | 6     | ENGL 1113 or 1313, 1213 or 1413. 3323 may be substituted for 1213, subject to Academic Regulation 3.5.                    | Basic Science 3 From: ASTR <u>1014</u> , <u>1024</u> ; BIOL <u>1114</u> , CHEM 3053, GEOL <u>1114</u> , PHYS 3213, 3313, 3713, GEOL 3413                           |  |  |
| American History & Government   | 6     | HIST 1103; POLS 1113  | Social & Behavioral Sciences (S) 3 Any course designated (S) at OSU. Consult the college & departmental requirements.  |  |  |
| Analytical & Quantitative Thought (A)   | 13    | MATH <u>2144</u> , <u>2153</u> , 2163, 2233   |  |  |  |
| Humanities (H)  | 6     | Any courses designated (H) at OSU.  |  |  |  |
| Natural Sciences (N)  | 4     | CHEM <u>1414</u> or <u>1515</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. | <b>SPECIFIC PROFESSIONAL SCHOOL REQUIREMENTS: 49 HOURS</b>   |  |  |
| 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 Mechanical and Aerospace Engineering. (See Professional School admission requirements in the <i>Catalog</i> .)              |  |  |
| Scientific Investigation (L)  | --    | Any course designated (L). Normally met by Natural Sciences and/or Basic Science requirements.                            | 1. A total of 43 credit hours as follows:<br>MAE 3013, 3033, 3113, 3253, 3293, 3323, 3403, 3723, 4223, 4243, 4283, 4374, 4513<br>IEM 3503                          |  |  |
| <b>COLLEGE/DEPARTMENTAL REQUIREMENTS</b>  |       |   | 2. 6 hours must be selected from:<br>MAE 3123, 3223, 3233, 4053, 4063, 4273, 4333, 4363, 4733, 4213<br>with at least 3 hours selected from the 4000 level courses. |  |  |
| <b>PRE-ENGINEERING: 28 HOURS</b>  |       |   |  |  |  |
| Basic Science   | 8     | PHYS <u>2014</u> , <u>2114</u>  |  |  |  |
| Engineering   | 5     | ENGR 1111, 1332, 1412   |  |  |  |
| Engineering Science   | 15    | ENSC 2113, 2123, 2143, 2213, 2613   |  |  |  |

**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 for a major course.
- A minimum overall 2.00 GPA is required in 4000-level MAE prefix courses.
- The major engineering design experience, capstone course, requirement is satisfied by MAE 4374.

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