# COLLEGE OF ENGINEERING, ARCHITECTURE & TECHNOLOGY

OKLAHOMA STATE UNIVERSITY

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

## BACHELOR of SCIENCE in CHEMICAL ENGINEERING

**MAJOR: Chemical Engineering OPTION: Pre-medical**

**Minimum Overall Grade Point Average: 2.00 Total Hours: 135**

**(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, 3323. (See Academic Regulation 3.5) |
| American History & Government | 6 | HIST 1103; POLS 1113 |
| Analytical & Quantitative Thought (A) | 13 | MATH 2144, 2153, 2163, 2233 or 3263 |
| Humanities (H) | - | Courses designated (H) at OSU. Consult the college and departmental requirements. |
| Natural Sciences (N) | 13 | CHEM 1515, PHYS 2014, 2114 |
| Social & Behavioral Sciences (S) | -- | Courses designated (S) at OSU. Consult the college & departmental requirements. |
| Diversity (D) | -- | Courses designated (D). Students are encouraged to meet the requirement in their selection of (H) or (S) course work. |
| International Dimension (I) | -- | Courses designated (I). Students are encouraged to meet the requirement in their selection of (H) or (S) course work. |
| Scientific Investigation (L) | -- | Courses designated (L). Normally met by Natural Sciences and/or Basic Science requirements. |

### *COLLEGE/DEPARTMENTAL REQUIREMENTS PRE-ENGINEERING: 17 HOURS*

| | | |
|---|---|---|
| Engineering | 5 | ENGR 1111, 1412 |
| Engineering Science | 12 | ENSC 2113, 2143, 2213, 2613 |

### *MAJOR REQUIREMENTS: 80 HOURS*

#### *SPECIFIC PROFESSIONAL SCHOOL REQUIREMENTS: 74 HOURS*

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

| | | |
|---|---|---|
| BIOL | 1114 | |
| CHE | 2033 | 4002 |
| | 3013 | 4112 |
| | 3113 | 4124 |
| | 3123 | 4224 |
| | 3333 | 4581 |
| | 3473 | 4843 |
| CHEM | 3053 | 3153 |
| | 3112 | 3433 |
| ENSC | 3313 | 3233 |
| STAT | 2013, 2023, 2053, 4013, 4033, 4053 or 4073 | |
| ZOOL | 1604 | |

| | | |
|---|---|---|
| Humanities (H) | 6 | Courses designated (H) at OSU. Should select from one from ENGL and one ART, ENGL, FLL, MUSI, PHIL or TH to also meet medical school requirements. |
| Social & Behavioral Sciences (S) | 6 | Courses designated (S) at OSU. Should select from ANTH, PSYC, or SOC to also meet medical school requirements. |

#### *CONTROLLED ELECTIVES: 6 HOURS*

| | | |
|---|---|---|
| Advanced Chemical Science | 3 | BIOC 3023; MICR 3033 |
| Bioengineering/Bioscience Electives | 3 | CHE 4283, 4293, 5283, 5293 preferred, or with approval of an adviser, from BAE 3113, 3423, 4423, BIOC 3653, 4113, 4224 |

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.

The major engineering design experience, capstone course, requirement is satisfied by CHE 4124 and 4224.

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*