



COLLEGE OF ENGINEERING, ARCHITECTURE & TECHNOLOGY

OKLAHOMA STATE UNIVERSITY

Requirements for Students Matriculating in or before Academic Year 2013-2014

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 COURSES: 30 HOURS | | | MAJOR REQUIREMENTS/PROFESSIONAL SCHOOL | | |
|--|-------|--|---|-------|--|
| <i>Underlined courses identify courses that must be completed prior to admission to professional school.</i> | | | COMMON PROFESSIONAL SCHOOL: 60 HOURS | | |
| Area | Hours | To be selected from: | Area | Hours | To be selected from: |
| English Composition & Oral Communication | 3 | <u>ENGL 1113</u> or <u>1313</u> | Mathematics | 3 | STAT 2013, 2023, 2053, 4013, 4033, 4053, or 4073 |
| American History | 3 | HIST 1103 | Chemical Engineering | 31 | CHE 3013, 3113, 3123, 3333, 3473, 4002, 4112, 4124, 4224, 4581, 4843 |
| Analytical & Quantitative Thought (A) | 13 | <u>MATH 2144, 2153, 2163; 2233</u> or <u>3263</u> | Chemistry | 3 | CHEM 3433 |
| Social & Behavioral Sciences (S) ² | 3 | Any course designated (S). Consult the college & departmental requirements. | Engineering | 2 | CHE 4990 |
| Humanities (H) ¹ | 3 | Any course designated (H). Consult the college & departmental requirements. | Engineering Science | 9 | ENSC 2143, 2613, 3313 |
| Natural Sciences (N) | 5 | <u>CHEM 1515</u> | Humanities (H) ¹ | 3 | Any course designated (H). Consult the college & departmental requirements. |
| Diversity (D) | -- | Any course designated (D). Students are encouraged to meet the requirement in their selection of (H) or (S) course work. | American Government | 3 | POLS 1113 |
| International Dimension (I) | -- | Any course designated (I). Students are encouraged to meet the requirement in their selection of (H) or (S) course work. | Social & Behavioral Sciences (S) ² | 3 | Any course designated (S). Consult the college & departmental requirements. |
| Scientific Investigation (L) | -- | Any course designated (L). Normally met by Natural Sciences and/or Basic Science requirements. | English Composition & Oral Communication | 3 | ENGL 1213 or 1413 (3323 may be substituted for 1213, subject to Academic Regulation 3.5) |
| COLLEGE/DEPARTMENTAL REQUIREMENTS: 39 HOURS | | | CONTROLLED ELECTIVES: 6 HOURS | | |
| Basic Science | 16 | <u>PHYS 2014, 2114</u> , BIOL 1114, ZOO 1604 | Advanced Chemical Science | 3 | BIOC 3023 or MICR 3033 |
| Engineering | 3 | ENGR 1111, <u>1412</u> | | | |
| Engineering Science | 9 | ENSC 2113, <u>2213</u> , <u>3233</u> | Bioengineering/ Bioscience Electives | 3 | CHE 4283, 4293, 5283, 5293 preferred, or with approval of an advisor, from BAE 3113, 3423, 4423, BIOC 3653, 4113, 4224 |
| Chemical Engineering | 3 | <u>CHE 2033</u> | | | |
| Chemistry | 8 | <u>CHEM 3053, 3112, 3153</u> | | | |

1: Humanities courses - should select one from ENGL and one ART, ENGL, FLL, MUSI, PHIL or TH to also meet medical school requirements.

2: Social & Behavioral Sciences courses – should select from ANTH, PSYC, or SOC to also meet medical school requirements.

Admission to Professional School (required):

Refer to the OSU Catalog corresponding to your matriculation date for detailed admissions requirements.

Graduation Requirements:

1. A minimum GPA of 2.00 is required in all CHE, CHEM, ENGR, and ENSC coursework.

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

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 2019.

Note: All General Education coursework requirements are satisfied upon completion of this degree plan.

Signature on file in the Office of the Registrar

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Dean

Department Head