CHEMICAL ENGINEERING

2023-2024

College of Engineering, Architecture, and Technology

Name: Advisor:

123 Semester Hours

1. If a grade of "C" is earned in Year 1 Year 2 **Required Prerequisites** 16 hours 18 hours 16 hours 15 hours (May be satisfied by course credit or placement exam) CHEM 1515 CHEM 3053 **ENGR 1111** CHEM 3153 'A' or 'B' is earned in ENGL1113. General Introduction to Organic Organic Chemistry II Chemistry I Chemistry II Engineering 2. 6 hours designated (H) and 3 hours designated (S). One CHEM 1314 ENGR 1412 POLS 1113 MATH 2233 CHEM 3112 5 are encouraged to meet the Differential Organic General Engr Computer American Chemistry I Chemistry Lab Programming Government **Equations** their selection of (H) or (S) courses 3. FALL ONLY COURSE. MATH 1513 MATH 2144 **MATH 2153** MATH 2163 CHE 2033 MATH 1813 4. MATH 2233 or 3263 (may be Calculus III College Algebra Preparation for Calculus I Calculus II Intro to Che Calculus Process Eng 2033). 5. The combination of BIOC 3653 ENGL 1113 PHYS 2014 PHYS 2114 CHE 2023 Intro to CHEN Composition I General Physics I General 3153 and 3112. **Thermodynamics** Physics II 6. SPRING ONLY COURSE. HIST 1103 ENGL 1213 ENSC 2113 **ENSC 3233** Composition II American History Fluid Mechanics Statics Gen Ed Elective CHE 2581 H/S/I/D CHE Sophomore Seminar

ENGL 1113, then ENGL 1213 is also required before year 3 in the program. ENGL 3323 may be substituted for ENGL 1213 if AP Exam credit or a grade of

Oklahoma State University

- course designated (D) and one course designated (I). Students requirement for (D) and (I) in
- taken concurrently with CHE
- and 3723 may be substituted for the combination of CHEM

NOTE: This flow chart is for planning purposes only. Official degree requirements can be found in the Academic Catalog 2022-2023. (catalog.okstate.edu)

Completion with a grade of "C" or bet-

General Education Courses

Degree Requirements

Upper Level CHE Courses

Requirements for (CHEN) Chemical Engineering

Students must meet the following requirements to take 3000 level CHE courses:

Complete at least 60 college level semester credit hours (SCH).

12 SCH must be from OSU, 9 of which must be STEM courses (ENGR1111 is not considered STEM).

Completion with a "C" or better in all green courses: MATH 2144, 2153, 2163, 2233; PHYS 2014, 2114; CHEM 1515, 3053, and (3153 & 3112) or BIOC (3653 & 3723); ENSC 3233; CHE 2023, 2033, 2581; ENGR 1412; and ENGL 1113 (if a "C" is earned in ENGL 1113, then a 'C' in ENGL 1213 is also required). All courses listed must be completed PRIOR to beginning Year 3 courses.

Students must meet the following requirements to advance to subsequent courses:

A "C" or better in CHE 3013, 3113, 3123, 3333, 3473, 4002; ENSC 2613, 3231; ENGR 2421.

Students must meet the following requirements for graduation:

A 2.0 GPA average in all CHE, CHEM, ENGR, and ENSC courses.

- 3000 level or higher. Must meet requirements for professional development, technical knowledge, or life balance. May be fulfilled by upper division coursework as part of the pursuit of a minor at OSU.
- Students may choose from the following electives: CHE 3202 + 3211, 4073, 4133, 4183, 4283, 4293, 4343, 4323, 4493, 4523, 4603, 4753, 4773.

ter.

Updated 04.13.2023

CHEMICAL ENGINEERING

2022-2023

College of Engineering, Architecture, and Technology

Oklahoma State University

