Required Prerequisites
(May be satisfied by course credit or placement exam)

CHEM 1314
General Chemistry I

CHEM 1513
College Algebra

CHEM 1813
Preparation for Calculus

ENGR 1111
Introduction to Engineering

ENGR 1412
Engr Computer Programming

MATH 1513
Preparation for Calculus

MATH 1813
Preparation for Calculus

MATH 2144
Calculus I

MATH 2153
Calculus II

MATH 2163
Calculus III

ENGR 1412
Engr Computer Programming

PHYS 2014
General Physics I

PHYS 2114
General Physics II

ENGL 1113
Composition I

ENGL 1213
Composition II

ENGL 1113
Composition I

ENGL 1213
Composition II

HIST 1103
American History

ENGL 1213
Composition II

CHEM 1515
General Chemistry II

POLS 1113
American Government

CHEM 3053
Organic Chemistry I

MATH 2233
Differential Equations

MATH 2233
Differential Equations

CHEM 3153
Organic Chemistry II

CHEM 3112
Organic Chemistry Lab

CHEM 3153
Organic Chemistry II

CHEM 3112
Organic Chemistry Lab

CHEM 2023
Intro to Chem Process Eng

CHE 2033
Intro to CHEN Thermodynamics

PHYS 2114
General Physics II

CHE 2023
Intro to CHEN Thermodynamics

CHE 2023
Intro to CHEN Thermodynamics

CHE 2581
CHE Sophomore Seminar

ENSC 2113
Statics

ENSC 3233
Fluid Mechanics

ENSC 2113
Statics

ENSC 3233
Fluid Mechanics

Gen Ed Elective
H / S / I / D

1. If a grade of "C" is earned in 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 "A" or "B" is earned in ENGL1113.

2. 6 hours designated (H) and 3 hours designated (S). One course designated (D) and one course designated (I). Students are encouraged to meet the requirement for (D) and (I) in their selection of (H) or (S) courses.

3. FALL ONLY COURSE.

4. MATH 2233 or 3263 (may be taken concurrently with CHE 2033).

5. The combination of BIOC 3653 and 3723 may be substituted for the combination of CHEM 3153 and 3112.

6. SPRING ONLY COURSE.
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.

Completion with a grade of “C” or better.

8. 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.

9. Students may choose from the following electives: CHE 3202 + 3211, 4073, 4133, 4183, 4283, 4293, 4343, 4323, 4493, 4523, 4603, 4753, 4773.

See Course Catalog for specific course prerequisites

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