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

- **CHEM 1314** General Chemistry I
- **ENGR 1111** Introduction to Engineering
- **ENGR 1412** Engr Computer Programming
- **MATH 2144** Calculus I
- **MATH 2153** Calculus II
- **MATH 2163** Calculus III
- **PHYS 2014** General Physics I
- **PHYS 2114** General Physics II
- **ENGL 1113** English Composition I
- **ENGL 1213** English Composition II
- **HIST 1103** American History
- **BIOL 1114** General Biology
- **BIOL 1604** Animal Biology
- **CHEM 1515** General Chemistry II
- **CHEM 1515** General Chemistry II (Lab)
- **CHEM 3053** Organic Chemistry I
- **CHEM 3053** Organic Chemistry I (Lab)
- **CHEM 3153** Organic Chemistry II
- **CHEM 3153** Organic Chemistry II (Lab)
- **CHE 2033** Che Engineering Processes
- **CHE 2581** CHE Sophomore Seminar
- **CHE 2581** CHE Sophomore Seminar (Lab)
- **ENSC 2113** Statics
- **ENSC 2213** Thermodynamics
- **ENSC 3233** Fluid Mechanics
- **MATH 2144** Differential Equations
- **MATH 2233** Differential Equations
- **MATH 3263** Differential Equations
- **STAT 2013**, **2023**, **2053**, **4013**, **4033**, **4053**, or **4073**

1. If a grade of “C” is earned in ENGL 1113, then ENGL 1213 is also required before entry into Professional School. ENGL 3323 may be substituted if AP Exam credit or a grade of ‘A’ or ‘B’ is earned in ENGL1113.
2. 6 hours designated (H) and 6 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. Student is encouraged to choose courses to meet medical school requirements under consultation with degree advisor and Pre-Health advisor.
3. FALL ONLY. Preference is for this course to be taken the fall preceding entry to Professional School.
4. MATH 2233 or 3263
5. The combination of BIOC 3653 and 3723 may be substituted for the combination of CHEM 3153 and 3112. Student should consult Pre-Health advisor for confirmation of requirements for admission to medical program of choice.
6. SPRING ONLY. Preference is for this course to be taken the spring preceding entry to Professional School.
7. STAT 2013, 2023, 2053, 4013, 4033, 4053, or 4073.

NOTE: This flow chart is for planning purposes only. Students matriculating in AY18 must meet the degree requirements as stated on the official degree requirement sheet dated “Academic Year 2018-2019.”
Admission Requirements for the Chemical Engineering Professional School

To be admitted into CHE Professional School students must meet requirements below:

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: MATH 2144, 2153, 2163, 2233; PHYS 2014, 2114; CHEM 1515, 3053, and 3153 & 3112 or BIOC 3653 & 3723; ENSC 2213, 3233; CHE 2033, 2581; ENGR 1412; and ENGL 1113 (if a “C” is earned in ENGL 1113, then ENGL 1213 is also required.)

A “C” or better in each STEM class that could be used to meet degree requirements.

A GPA of 2.7 or better in all STEM classes that could be used to meet degree requirements.

An GPA of 2.5 or greater in all courses taken at OSU.

A GPA of 2.7 or better in all STEM classes taken at OSU.

8. Fall Only Course

9. CHE 4283, 4293 preferred or with approval from CHE Professional School advisor, from BAE 3113, 4113, BIOC 3224, 3653, 4113

10. BIOL 3023 OR MICR 3033

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