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

Year 1
16 hours
- ENGR 1111: Introduction to Engineering
- CHEM 1515: General Chemistry II
- Gen Ed Elective
- ENGR 1412: Engr Computer Programming
- MATH 2144: Calculus I
- MATH 2153: Calculus II
- ENGL 1113: English Composition I
- PHYS 2014: General Physics I
- HIST 1103: American History
- BIOL 1114: General Biology
- STAT 2013, 2023, 2053, 4013, 4033, 4053, or 4073

Year 2
16 hours
- CHEM 3053: Organic Chemistry I
- CHEM 3153: Organic Chemistry II
- MATH 2233: Differential Equations
- MATH 2163: Calculus III
- BIOC 3653: Survey of Biochemistry
- BIOL 3723: Analytical Biochemistry Lab
- BIOL 3833 or equivalent Ethics course with CHE Professional School advisor approval

Year 2
18 hours
- CHE 2033: CHE Sophomore Seminar
- STAT 4033: Engineering Statistics
- CHE 2581: CHE Sophomore Seminar
- STAT 4033: Engineering Statistics
- Gen Ed Elective

NOTE: This flow chart is for planning purposes only. Students matriculating in AY17 must meet the degree requirements as stated on the official degree requirement sheet dated "Academic Year 2019-2020."
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 of a “C” or better in: MATH 2144, 2153, 2163, 2233; PHYS 2014, 2114; CHEM 1515, 3053, and 3153 & 3112 or BIO 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. BAE 3113, 4413; BIOC 3223, 3653, 3713, 3723, 4113, 5824; BIOL 3023; CHE 4283, 4293, 5283, 5993; MICR 2123+2132, 3033, 4003; BIOC 3223, 3653, 3713, 3723, 4113; BIOL 1604, 3023, 3214. *Cannot use ANSI 3423+BIOC 3023 or BIO 3653+3713.

10. Students may choose from ANSI 3423; BIOC 3223, 3653, 3713, 3723, 4113; BIOL 1604, 3023; CHEM 3153, 3353, 3553, 4023; FDSC 3373, 4373; GEOL 4403; MICR 3033 or similar advanced chemical transformation of matter courses approved by CHE Professional School advisor. *Cannot use ANSI 3423+BIOC 3023 or BIO 3653+3713.

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