Required Prerequisites

(May be satisfied by course credit or placement exam)

1. If a grade of "C" is earned in ENGL 1113, then ENGL 1213 is also required before year 3 of the program. 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. PSYC 1113 (S) and SOC 1113 (S) are recommended for MCAT prep. Student is encouraged to choose courses to meet medical school requirements under consultation with degree advisor and Pre-Health advisor.

3. FALL ONLY COURSE.

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 COURSE.

7. STAT 2013, 2023, 2053, 4013, 4033, 4053, or 4073.
Requirements for (CHEN-PMED) Chemical Engineering

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

1. Complete at least 60 college level semester credit hours (SCH).
2. 12 SCH must be from OSU, 9 of which must be STEM courses (ENGR1111 is not considered STEM).
3. Completion with a “C” or better in all green (1000-2000) courses: 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).
4. Students must meet the following requirements to take 4000 level courses:
   a. A “C” or better in all 3000 level courses.
5. Student must meet the following requirements for graduation:
   a. A 2.0 GPA average in all CEAT (CHE, CHEM, ENGR, and ENSC) courses.

8. FALL ONLY COURSE.
9. CHE 4283, 4293; BAE 3113, 4413; BIOC 3223, 3653, 3713, 4113; BIOL 3023, 3214.
10. BIOL 3023 OR MICR 3033.

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CHEMICAL ENGINEERING-PMED 2020-2021 Pre–Medical Option

Year 3

16 hours

- CHE 3013 Rate Operations I
- CHE 3473 Chemical Eng Thermodynamics
- CHE 3333 Intro to Transport Phenomena
- CHE 3581 CHE Junior Seminar

17 hours

- CHE 4002 Chemical Eng Lab I
- CHE 3113 Rate Operations II
- CHE 3123 Chemical Reaction Eng
- POLS 1113 American Government

Completion of all green courses with a “C” or better.

Year 4

16 hours

- CHE 4112 Chemical Eng Lab II
- CHE 4124 Chemical Eng Design I
- CHE 4581 CHE Senior Seminar
- CHE 4843 Chem Process Instr/Control

16 hours

- CHE 4224 Chemical Eng Design II
- ENSC 3313 Materials Science
- ENSC 2613 Electrical Science
- General Education Courses

See Course Catalog for specific course prerequisites

Completion with a grade of “C” or better.