CHEMICAL ENGINEERING
Name: ______________________
Advisor: _____________________

CHEMICAL ENGINEERING-BMBC
2020-2021 Biomedical/Biochemical Option
134 Semester Hours

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
MATH 2144 Calculus I
MATH 2153 Calculus II
ENGR 1412 Engr Computer Programming
ENGL 1113 English Composition I
PHYS 2014 General Physics I
HIST 1103 American History

18 hours
CHEM 3503 Organic Chemistry I
MATH 2233 Differential Equations
PHYS 2114 General Physics II
CHE 2033 Che Engineering Processes

Year 2
16 hours
CHEM 3053 Survey of Biochemistry
MATH 2233 Analytical Biochemistry Lab
CHEM 3153 AND 3112 may be substituted for the combination of BIOC 3653 AND 3723.

18 hours
BIOC 3653 Survey of Biochemistry
BIOC 3723 Analytical Biochemistry Lab
CHE 2033 Che Engineering Processes
MATH 3263 Differential Equations

Completion with a grade of “C” or better.
General Education Courses
Degree Requirements
Upper Level CHE Courses

Oklahoma State University
College of Engineering, Architecture, and Technology

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 2020-2021."
Requirements for (CHEN-BMBC)
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 (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).

Students must meet the following requirements to take 4000 level courses:

A “C” or better in all 3000 level courses.

Student must meet the following requirements for graduation:

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

8. FALL ONLY COURSE.

9. BAE 3113, 4413; BIOC 3223, 3653, 3713, 3723, 4113, 5824; BIOL 1604, 3023, 3214; CHE 4283, 4293, 5283, 5293; MICR 2123+2132, 3033, 4003. *Cannot use ANSI 3423+BIOL 3023 or BIOC 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. Cannot use ANSI 3423+BIOL 3023 or BIOC 3653+3713.

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