SUGGESTED PROGRAM OF STUDY
Bachelor of Science - Major in Chemistry Pre-Pharmacy Track
with MATH 111 Placement 2017 bulletin Pharmacy School application after 3rd or 4th year

First Year

Fall Semester
ENGL 101 (Composition) 2 (3)___
CHEM 111 (General Chem. I) 1 (4)___
BIOL 121 (Biology I) (4)___
MATH 111 (Pre-Calc. I) (3)___
AFCI 101 (Critical Inquiry) (1)___
15 credit hours

Spring Semester
ENGL 102 (Comp. and Lit.) 2 (3)___
CHEM 112 (General Chem. II) 1 (4)___
Amer. Gov’t (HIST 201/202 or POLI 201) (3)___
MATH 112 (Pre-Calc. II) (3)___
PSYC 101 (Psychology) (3)___
16 credit hours

Summer I
BIOL 243 (Anat. &Phys. I) 1,2 (4)___

Summer II
BIOL 244 (Anat. &Phys. II) 1 (4)___

Second Year

Fall Semester
CHEM 331 (Org Chem. I) 1 (3)___
CHEM 331L (Org. I Lab) 1 (1)___
PHYS 201 (Gen. Physics I) (4)___
MATH 141 (Calculus I) (4)___
ECON 221/222 (Economics) (3)___
15 credit hours

Spring Semester
CHEM 332 (Org Chem. II) 1 (3)___
CHEM 332L (Org. Lab II) 1 (1)___
PHYS 202 (Gen. Physics II) 4 (4)___
MATH 142 (Calculus II) (4)___
BIOL 305 (BioStatistics) (3)___
CHEM 310 (Research Meth.) 1 (1)___
16 credit hours

Summer I/Summer II
BIOL 250/330 (Microbiology) (4)___
Take PCAT & Complete PharmCAS application

Third Year

Fall Semester
CHEM 321 (Quant. Analysis) 1 (3)___
CHEM 321 L (Quant. Anal. Lab) 1 (1)___
CHEM 541 (Phys. Chem I) 1 (3)___
CHEM 541 L (Phys Chem I Lab) 1 (1)___
COMM 241 (Communications) (3)___
Humanities 3 or Hist. Civ. HIST 101/102 (3)___
Take PCAT /Complete applications 14 credit hours

Spring Semester
CHEM 311 (Intro Inorg. Chem.) 1 (3)___
CHEM 311L (Intro Inorg. Chm Lab) (1)___
CHEM 542 (Phys. Chem II) 1 (3)___
CHEM 542L (Phys Chem. II Lab) 1 (1)___
BIOL 122 (Biology II) 1 (4)___
Second Language 5 (4)___
16 credit hours

Fourth Year

Fall Semester
CHEM 499 (Senior Res.) 1,7 (2)___
CHEM 500+ Elective 1,7 or Humanities 3 (3-5)___
BIOL 541 (Biochem) (3)___
Second Language 2 5 (4)___
Humanities 3 or Hist. Civ. HIST 101/102 (3)___
16/17 credit hours

Spring Semester
CHEM 499 (Senior Res.) 1,7 (1/2)___
CHEM 500+ Elective 1,7 or Humanities 3 (3-5)___
CHEM 500+ Elective 1,7 or Humanities 3 (3-5)___
Humanities 3 or Hist. Civ. HIST 101/102 (3)___
Humanities 3 or Hist. Civ. HIST 101/102 (3)___
15/17 credit hours

1 - A grade of C or higher is required in all chemistry courses counting toward the degree. Students placing in Mathematics 108 or below will successfully complete these courses before enrolling in any chemistry course.
2 - Students must complete English 101/102 with a grade of C or better in order to fulfill general education requirements. Students must complete ENGL 102 with a grade of C or better before taking other English courses and for any course to count as Writing Intensive including CHEM 541L, 542L, and 511L
3 - At least three (3) credit hours of the degree must be in non-Western studies. See the bulletin for a complete list.
4 - PHYS 212 and BIOL 541 can be counted toward a cognate.
5 - Two (2) semesters of the same language are required.
6 - All graduates must complete either a Cognate or Minor. The cognate requirement is completed with a total of 12 credit hours earned in BIOL 514 plus any combination of accepted cognates (any 300+ course and selected 200 level courses). A partial list of the approved 200 level courses includes BIOL 244, 250 PHYS 212, MATH 241, 242, ENCP 200, 210, 260, and 290.
7 - Completion of a thesis and seminar on the research project are required for graduation.

(last updated May 2017)