

SUGGESTED PROGRAM OF STUDY
Bachelor of Science - Major in Chemistry¹ Pre-Med Track
with MATH 141 Placement⁹ 2013/14/15/16 bulletin

First Year

Fall Semester

CHEM 111	(General Chem. I) ¹	(4)_____
MATH 141	(Calc. I) ⁹	(4)_____
ENGL 101	(Composition) ²	(3)_____
BIOL 121	(Biology I)	(4)_____
AFCI 101	(Critical Inquiry)	(1)_____

16 credit hours

Spring Semester

CHEM 112	(General II) ¹	(4)_____
MATH 142	(Calc. II) ⁹	(4)_____
ENGL 102	(Comp. and Lit.) ²	(3)_____
BIOL 122	(Biology II)	(4)_____

15 credit hours

Second Year

Fall Semester

CHEM 331	(Org Chem. I) ¹	(3)_____
CHEM 331L	(Org. I Lab) ¹	(1)_____
PHYS 201/211	(Physics I)	(4)_____
PSYC 101 or SOCY 101	(Intro Psych/Soc)	(3)_____
Cognate ³ /Minor ⁴ BIOL 360		(4)_____

15 credit hours

Spring Semester

CHEM 332	(Org Chem. II) ¹	(3)_____
CHEM 332L	(Org. Lab II) ¹	(1)_____
PHYS 202/212	(Physics II) ⁵	(4)_____
CHEM 310	(Research Meth.) ¹	(1)_____
Cognate ³ /Minor ⁴ BIOL 315, 350, 510, 550		(3/4)_____
PSYC 101 or SOCY 101	(Intro Psych/Soc)	(3)_____

15/16 credit hours

Third Year – take MCAT summer/Fall/Spring

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)_____
BIOL 502	(Cell Molec Biology)	(3)_____
Humanities ⁷ /Hist of Civ/Amer Gov't		(3)_____

15 credit hours

Spring Semester

CHEM 311	(Intro Inorg. Chem.) ¹	(3)_____
CHEM 311L	(Intro Inorg. Chm Lab) ¹	(1)_____
CHEM 542	(Phys. Chem II) ¹	(3)_____
CHEM 542L	(Phys Chem. II Lab) ¹	(1)_____
Communications	(COMM 201 or 241)	(3)_____
Second Language 1 ⁶		(4)_____

15 credit hours

Fourth Year –apply to Med- school summer/Fall

Fall Semester

CHEM 511	(Adv. Inorg. Chem) ¹	(3)_____
CHEM 511L	(Adv. Inorg. Ch. Lab) ¹	(1)_____
CHEM 499	(Senior Res.) ^{1,8}	(2/3)_____
History of Civ. (HIST 101 or 102)		(3)_____
BIOL 541	(Biochem) ⁵	(3)_____
Second Language 2 ⁶		(4)_____

15/16 credit hours

Spring Semester

CHEM 522	(Inst. Anal.) ¹	(5)_____
CHEM 499	(Senior Res) ^{1,8}	(1/2)_____
Amer. Gov't (HIST 201 or 202 or POLI 201)		(3)_____
Humanities ⁷		(3)_____
Humanities ⁷		(3)_____
Statistics (STAT 201 or BIOL 305) ⁴		(3)_____

15/16 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 - The cognate requirement is completed with a total of 12 credit hours earned in BIOL 514, plus any combination of three of BIOL 315, 350, 360, 502, 510, and 550. All graduates must complete either a Cognate or Minor. Most students will need to take 1-3 general education courses over the summer to complete a minor.
- 4 - The Biology Minor requirement is completed with BIOL 541 plus 12 hours of 300+ BIOL courses for a total of 15 hours. For example; BIOL 541 (3) and BIOL 315 (4), 350(4), and 360(4). Students can change to a Biology Major at the end of the Second Year and still complete a B.A. or B.S. in 4 years
- 5 - PHYS 212 and BIOL 541 can be counted toward a cognate.
- 6 - Two (2) semesters of the same language are required.
- 7 - At least three (3) credit hours of the degree must be in non-Western studies. See the bulletin for a complete list.
- 8 - Completion of a thesis and seminar on the research project are required for graduation.
- 9 - Entering students who do not place into Calculus I (MATH 141) will need to take some general education courses (Math, History, Humanities, Psychology, Sociology, Communications, etc. during some summer sessions).