

SUGGESTED PROGRAM OF STUDY
Bachelor of Science - Major in Chemistry¹ Pre-Med Track
with MATH 141 Placement 2009 catalog

First Year

Fall Semester

ACHM 111	(General Chem. I)	(4)_____
AMTH 141	(Calc. 1)	(4)_____
ABIO 121	(Biology I)	(4)_____
AEGL 101	(Composition) ²	(3)_____

15 credit hours

Spring Semester

ACHM 112	(General II)	(4)_____
AMTH 142	(Calc. II)	(4)_____
ABIO 122	(Biology II)	(4)_____
AEGL 102	(Comp. and Lit.) ²	(3)_____

15 credit hours

Second Year

Fall Semester

ACHM 331	(Org Chem. I)	(3)_____
ACHM 331L	(Org. I Lab)	(1)_____
APHY 211	(Physics 1)	(4)_____
Cognate/Minor ³ ABIO 315 or 360		(4)_____
Humanities or Social Science ⁴		(3)_____

15 credit hours

Spring Semester

ACHM 332	(Org Chem. II)	(3)_____
ACHM 332L	(Org. Lab II)	(1)_____
APHY 212	(Physics II) ⁵	(4)_____
ABIO 302	(Cell Molec. Biol.)	(4)_____
Humanities or Social Science ⁴		(3)_____

16 credit hours

Third Year

Fall Semester

ACHM 541	(Phys. Chem I)	(3)_____
ACHM 541 L	(Phys Chem I Lab)	(1)_____
ACHM 321	(Quant. Analysis)	(3)_____
ACHM 321 L	(Quant. Anal. Lab)	(1)_____
ABIO 541	(Biochem.)	(3)_____
Second Language 1 ⁶		(4)_____

14 credit hours

Spring Semester

ACHM 542	(Phys. Chem II)	(3)_____
ACHM 542L	(Phys Chem. II Lab)	(1)_____
ACHM 310	(Research Methods)	(1)_____
History of Civ. (either AHST 101 or 102)		(3)_____
Cognate/Minor ³ ABIO 350 (Genetics)		(3)_____
Second Language ⁶		(4)_____

15 credit hours

Fourth Year

Fall Semester

ACHM 511	(Inorg. Chem)	(3)_____
ACHM 511L	(Inorg. Chem Lab)	(2)_____
Amer. Gov't (AHST 201 or 202 or APLS 201)		(3)_____
Applied Speech (ACOM 201, 241, or 342)		(3)_____
Humanities or Social Science ⁴		(3)_____
ACHM 499 (Senior Res.) ⁷		(2-3)_____

16-17 credit hours

Spring Semester

ACHM 522	(Inst. Anal.)	(4)_____
ACHM 550	(Biochem) ⁸	(3)_____
Humanities or Social Science ⁴		(3)_____
Humanities ⁴		(3)_____
ACHM 499 (Senior Res) ⁷		(1-3)_____

14-16 credit hours

*One additional ABIO course 300 lever or above completes a Biology minor

*Students can change to a Biology Major at the end of the Second Year and still complete a B.S. in 4 years

- 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 successful complete these courses before enrolling in any chemistry course. A maximum of 48 hours of Chemistry courses can be applied toward graduation.
- 2 - Students must complete English 101/102 with a grade of C or better in order to fulfill general education requirements. Students must complete AEGL 102 with a grade of C or better before taking other English courses.
- 4 - At least three (3) credit hours of the degree must be in non-Western studies.
- 5 - APHY 212 can be counted toward a cognate.
- 6 - Two (2) semesters of the same language (French, German or Russian is recommended for those planning graduate studies in Chemistry).
- 3 - Students who wish to have a minor may have to take more hours than those who select a cognate.
- 7 - Completion of a thesis and seminar on the research project are required for graduation.
- 8 - Strongly recommended. The course is offered every other year.

(April 2009 Revised)