

SUGGESTED PROGRAM OF STUDY
Bachelor of Science - Major in Chemistry¹
with AMTH 111 Placement 2008 catalog

First Year

Fall Semester

ACHM 111 (General Chem. I) (4)____
AMTH 111 * (Pre-Calc. I) (3)____
AMTH 112* (Pre-Calc. II) (3)____
AEGL 101 (Composition)² (3)____
History of Civ. (either AHST 101 or 102) (3)____

*can be taken together 16 credit hours

Spring Semester

ACHM 112 (General II) (4)____
AMTH 141 (Calc. 1) (4)____
AEGL 102 (Comp and Lit)² (3)____
Amer. Gov't (AHST 201 or 202 or APLS 201) (3)____

14 credit hours

Second Year

Fall Semester

ACHM 331 (Org Chem I) (3)____
ACHM 331L (Org. I Lab) (1)____
APHY 211 (Physics 1) (4)____
AMTH 142 (Calc. II) (4)____
Humanities or Social Science³ (3)____

15 credit hours

Spring Semester

ACHM 332 (Org ChemII) (3)____
ACHM 332L (Org. Lab II) (1)____
APHY 212 (Physics II)⁴ (4)____
AMTH 241 (Calc. III) (4)____
Humanities or Social Science³ (3)____

15 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)____
Second Language 1⁵ (4)____
Applied Speech (ACOM 201, 241, or 342) (3)____

15 credit hours

Spring Semester

ACHM 542 (Phys. Chem II) (3)____
ACHM 542L (Phys Chem. II Lab) (1)____
ACSC 102 (Computer Sci)⁶ (4)____
Cognate/Minor⁷ (3)____
Second Language⁵ (4)____

15 credit hours

Fourth Year

Fall Semester

ACHM 511 (Inorg. Chem) (3)____
ACHM 511L (Inorg. Chem Lab) (2)____
Cognate/Minor⁷ (3)____
Cognate/Minor⁷ (3)____
Humanities or Social Science³ (3)____
ACHM 499 (Senior Res.)⁸ (2-3)____

16-17 credit hours

Spring Semester

ACHM 522 (Inst. Anal.) (4)____
ACHM 550 (Biochem)⁹ (3)____
Humanities or Social Science³ (3)____
Humanities³ (3)____
ACHM 499 (Senior Res)⁸ (1-3)____

14-16 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. 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.
- 3 - At least three (3) credit hours of the degree must be in non-Western studies.
- 4 - APHY 212 and ABIO 242 can be counted toward a cognate.
- 5 - Two (2) semesters of the same language (French, German or Russian is recommended for those planning graduate studies in Chemistry).
- 6 - Equivalent computer science course emphasizing problem-solving and programming in a procedural language may also be acceptable.
- 7 - Students who wish to have a minor may have to take more hours than those who select a cognate.
- 8 - Completion of a thesis and seminar on the research project are required for graduation.
- 9 - Strongly recommended. The course is offered every other year.

(Feb 2009 Revised)