

SUGGESTED PROGRAM OF STUDY
Bachelor of Science - Major in Chemistry¹ General Track
with AMTH 111 Placement 2009 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)_____
Humanities or Social Science ³		(3)_____

16 credit hours

Spring Semester

ACHM 112	(General II)	(4)_____
ABIO 121	(Biology I)	(4)_____
AMTH 141	(Calc. 1)	(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 I)	(4)_____
Applied Speech	(ACOM 201, 241, or 342)	(3)_____
History of Civ. (either AHST 101 or 102)		(3)_____
PE or elective		(1)_____

15 credit hours

Spring Semester

ACHM 332	(Org Chem. II)	(3)_____
ACHM 332L	(Org. Lab II)	(1)_____
ACHM 310	(Research Meth.)	(1)_____
APHY 212	(Physics II) ⁴	(4)_____
Amer. Gov't (AHST 201 or 202 or APLS 201)		(3)_____
AMTH 142	(Calc. II)	(4)_____

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) ⁶	(3)_____
Second Language 1 ⁵		(4)_____

15 credit hours

Spring Semester

ACHM 542	(Phys. Chem II)	(3)_____
ACHM 542L	(Phys Chem. II Lab)	(1)_____
ACHM 550	(Biochem) ⁷	(3)_____
Second Language ⁵		(4)_____
Cognate/Minor ⁸		(3)_____

14 credit hours

Fourth Year

Fall Semester

ACHM 511	(Inorg. Chem)	(3)_____
ACHM 511L	(Inorg. Chem Lab)	(2)_____
ACHM 499	(Senior Res.) ⁶	(2)_____
Cognate/Minor ⁸		(3)_____
Humanities or Social Science ³		(3)_____
Humanities or Social Science ³		(3)_____

16 credit hours

Spring Semester

ACHM 522	(Inst. Anal.)	(4)_____
Humanities or Social Science ³		(3)_____
ACHM 499	(Senior Res) ⁶	(1-3)_____
Cognate/Minor ⁸		(3)_____
Humanities or Social Science ³		(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 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 - ABIO 541 is a pre-requisite for ACHM 550 which is taught every other year. ABIO 541 may be moved to Fall of the Fourth Year when ACHM 550 is offered in Spring of the Fourth Year.
- 7 - Strongly recommended. The course is offered Spring every other year.
- 8 - Students who wish to have a minor may have to take more hours than those who select a cognate.
- 9 - Completion of a thesis and seminar on the research project are required for graduation. (March 2009 Revised)