

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City/State: \_\_\_\_\_

Graduation Date: \_\_\_\_\_  
 Telephone: \_\_\_\_\_  
 Student ID: \_\_\_\_\_

## University Core Requirements

Course:	
ENGL 1301	
(1)Lang.,Phil.,Cult.	
(2)COMM	
(3)HIST	
(3)HIST	
POLS 2301	
POLS 2302	
(4)CreativeArts	
(5)Soc.BehavioralSci.	
!MATH 2413	
#(6) SCI	
#(6) SCI	
*ENGL 1302	
!MATH 2414	

42 hr state core + 2 hrs college  
 + 2 hrs department requirements

## Chemistry Major Requirements

Course:	Description
CHEM 1311	General Chemistry I
CHEM 1111	General Chemistry I Lab
CHEM 1312	General Chemistry II
CHEM 1112	General Chemistry II Lab
CHEM 3311	Organic Chem I
CHEM 3111	Organic Chem I Lab
CHEM 3312	Organic Chem II Lab
CHEM 3112	Organic Chem II Lab
CHEM 4411	Biochemistry I
CHEM 3401	Quantitative Analysis
CHEM 4461	Instrumental Analysis
CHEM 3331	Inorganic Chem I
CHEM 3131	Inorganic Chem I Lab
CHEM 4341	Inorganic Chem II
CHEM 4141	Inorganic Chem II Lab
CHEM 4311	Physical Chem I
CHEM 4131	Physical Chem I Lab
CHEM 4312	Physical Chem II
CHEM 4132	Physical Chem II Lab
CHEM 4381	Chemical Communications
(7)CHEM 4x7	Intro to Research

50 hr (min)

## Additional Degree Requirements

Course:	Description
(8)CHEM	
(8)CHEM	
(8)CHEM	
(9)MATH 3435	Calculus III
(10)PHYS 2425	Physics I
(11)PHYS 2426	Physics II
(12)PHYS 3350	Modern Physisc

24 hr (min)

Date \_\_\_\_\_ Advisor, Chemistry \_\_\_\_\_

Date \_\_\_\_\_ Chair, Chemistry \_\_\_\_\_

Minor 1: \_\_\_\_\_

Minor 2: \_\_\_\_\_

Minor 3: \_\_\_\_\_

ACS Certified? \_\_\_\_\_

**120 hour minimum hours are required for this degree plan including 58 hours of upper level courses.**

\*ENGL 1302 is a requirement for all degrees offered in the College of Arts & Sciences.

!These courses include an additional 2 hours beyond the 6 hours required in the College of Arts and Sciences.

#Science core courses include 2 laboratory hours required for all BS degrees in the College of Arts and Sciences.

Please see the current catalog for all approved core course options.

**This degree has 42 hrs state core curriculum of which 6 hrs meet specific College requirements.**

**This degree has 2 additional science laboratory hours beyond the core which are College requirements.**

**This degree has 2 additional mathematics hours beyond the core which are Department requirements.**

(1) Approved core language, philosophy or culture course, please see current catalog for all approved options.

(2) Approved core communications course, please see current catalog for all approved options.

(3) Approved core history courses, please see current catalog for all approved options.

(4) Approved core creative arts course, please see current catalog for all approved options.

- (5) Approved core social or behavioral science course, please see current catalog for all approved options.  
 (6) Approved core science selected from either (BIOL 1406 and BIOL 1407) or (GEOL 1403 and GEOL 1404)  
 (7) Introduction to Chemical Research, **x = 3 or 4 hours**  
 (8) 9 to 12 hr advanced chemistry, selected with advisor's approval.  
 (9) May substitute MATH 3301 (prerequisite MATH 2414).  
 (10) May substitute PHYS 1401 (prerequisite MATH 2412).  
 (11) May substitute PHYS 1402 (prerequisite PHYS 1401).  
 (12) Prerequisites either (PHYS 2425 and PHYS 2426) or (PHYS 1401, PHYS 1402 and MATH 3435).

BS Chemistry/Chemical Engineering Double Majors: CHEN 4330 substitutes for CHEM 4311.  
 (This applies only to those students obtaining a Chemical Engineering degree as well as a Chemistry degree.)

PreProfessional Students: prerequisites met for most professional school applications are in light gray.  
 See your pre-professional advisor and the catalog for specific, additional information.

<b>Course</b>	<b>Prerequisite(s)</b>
MATH 2413:	MATH 1316 or MATH 2312
MATH 2414:	MATH 2413
MATH 3435:	MATH 2414
PHYS 2425:	MATH 2413 and (PHYS 1370 or >600 Math SAT)
PHYS 2426:	PHYS 2425
PHYS 3350:	PHYS 2426
CHEM 1311:	MATH 1314 or MATH 1414
CHEM 1111:	co- or pre-requisite CHEM 1311
CHEM 1312:	CHEM 1311 and CHEM 1111 (or CHEM 1411)
CHEM 1112:	co- or pre-requisite CHEM 1312
CHEM 4411:	CHEM 3312 and CHEM 3112 (or CHEM 3412)
CHEM 3401:	CHEM 1312 and CHEM 1112 (or CHEM 1412)
CHEM 4461:	CHEM 3401 and CHEM 4311
CHEM 3311:	CHEM 1312 and CHEM 1112 (or CHEM 1412) and co- or pre-requisite CHEM 3111
CHEM 3111:	co- or pre-requisite CHEM 3311
CHEM 3412:	CHEM 3311 and CHEM 3111 (or CHEM 3411) and co- or pre-requisite CHEM 3112
CHEM 3112:	co- or pre-requisite CHEM 3312
CHEM 3331:	CHEM 1312 and CHEM 1112 (or CHEM 1412) and co- or pre-requisite CHEM 3131
CHEM 3131:	co- or pre-requisite CHEM 3331
CHEM 4341:	CHEM 3331, CHEM 4311, and co- or pre-requisite CHEM 4141
CHEM 4141:	co- or pre-requisite CHEM 4141
CHEM 4311:	CHEM 1312 and CHEM 1112 (or CHEM 1412), MATH 2414 and PHYS 1402
CHEM 4131:	co- or pre-requisite CHEM 4311
CHEM 4312:	CHEM 4311 and CHEM 4131
CHEM 4131:	co- or pre-requisite CHEM 4312
CHEM 4381:	Senior standing.
CHEM 4x71:	Minimum of 8 hours of Chemistry above CHEM 1412 and instructors permission.
BIOL 1407:	BIOL 1406