BS: Secondary Education — Chemistry (125 S.H. required to complete the degree)

Name:_____ Adviser:_____

General Education Requirements (44 S.H.)

COMMUNICATION SKILLS (3 S.H.)* Choose one of the following: COM 160 Public Speaking*, COM 161 Decision Making in Groups*, COM 162 Interpersonal Communication* **or** COM 163 Introduction to Communication Skills*		
COM:	3	
WRITING INTENSIVE (W) * All students must complete at least one writing intensive course. W courses can be found in several disciplines. The credits will be counted in the discipline associated with the course. *NOTE: WRT101 does not satisfy the writing intensive requirement.*		
Writing Intensive*	Y/N	
FOREIGN LANGUAGE All majors must complete a foreign language requirement. This may be done by completing a language at an elementary II level or above. Students who have completed three years of language in high school with at least a C average have satisfied this requirement. (For more info, click the link above.)		
Foreign Language Requirement Met?	Y/N	
HUMANITIES (15 S.H.) Including 3 of 7 categories: Fine and Applied Arts (*NOTE: only one studio course accepted toward minimum*), Communication, Literature, Humanistic Studies, Philosophy, History, and Foreign Language. **NOTE:** *You must complete the foreign language requirement (Elementary II or higher) before counting Elementary I foreign language courses as Humanities credit.*		
Fine/Applied Arts:	3	
HIS 148 American History to 1877 **or** HIS 149 American History from 1877	3	
Elective:	3	
Elective:	3	
Elective:	3	
SOCIAL AND BEHAVIORAL SCIENCES (12 S.H.) Courses that satisfy this requirement can be found in Social Sciences (Anthropology, Economics, Political Science, Social Sciences, and Sociology), Non-Western Cultures and Psychology.		
PSY 100 Introduction to Psychology *	3	
Elective:	3	
Elective:	3	
Elective:	3	
NATURAL SCIENCES, MATHEMATICS AND COMPUTER SCIENCE (12 S.H.) Students must complete two lab science and a math courses.		
Lab Science: PHY 110 General Physics I*	4	
Lab Science: PHY 111 General Physics II*	4	
MAT 181 Calculus I	4	
HEALTH PROMOTION AND EXERCISE SCIENCES (2 S.H.)		
HPX 177 Fitness for Life — Lecture	1	
HPX 177 Fitness for Life — Activity	1	

*C or better is required for courses.
**B or better is required for courses.

Education students must maintain an overall GPA of 3.0 or better.

Major Requirements (72 S.H.)

CHEMISTRY MAJOR REQUIREMENTS (37 S.H.) MINIMUM 3.0 G.P.A.		
CHE 110 General Chemistry I	4	
CHE 111 General Chemistry II	4	
CHE 205 Analytical Chemistry Lecture	3	
CHE 206 Analytical Chemistry Lab	2	
CHE 210 Organic Chemistry I	4	
CHE 211 Organic Chemistry II	4	
CHE 250 Chemistry Seminar	1	
CHE 300 Physical Chemistry I	4	
CHE 301 Physical Chemistry II	4	
MAT 182 Calculus II	4	
Advanced Math or Science Elective	3–4	
Senior Presentation Requirement Met?	Y/N	
SECONDARY EDUCATION CERTIFICATION REQUIREMENTS (35 S.H.)		
EPY 204 Adolescent Development in School Setting **	3	
ED 206 Introduction to Education **	3	
HPX 215 Health Issues in the Schools **	3	
PROFESSIONAL SEMESTER — COMPLETED AS 13 S.H. BLOCK		
EPY 405 Introduction to Special Education **	3	
ED 385 Methods of Teaching in the Secondary Schools **	3	
ED 386 Secondary Ed. Prof. Development School Experience **	1	
ED 440 Integrating Language**	3	
ED 442 Teaching Science in Secondary Schools**	3	
STUDENT TEACHING — COMPLETED AS 13 S.H. BLOCK		
ED 340 Assessment of Teaching Strategies	1	
ED 342 Student Teaching	12	
FREE ELECTIVE (9 S.H.)		
Elective:		
Elective:		
Elective:		
EXAMS FOR STATE CERTIFICATION		
Praxis I (or waiver) Required for admittance to program		
Praxis II		
LICENSE		
TK 20		

Free electives offer an opportunity to complete a minor, study a second language, study abroad, or participate in an internship. Make a plan.

NOTES

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Four-Year Plan This is a sample sequence of courses. Other combinations are possible.

Prerequisites are in parentheses; see catalog for details.
Class standing by credit: Freshman: 0-29 credits; Sophomore: 30-59 credits; Junior: 60-89 credits; Senior: 90+ credits

FIRST YEAR (31 S.H.)	SEMESTER 1 (15 S.H.)			SEMESTER 2 (15 S.H.)		
	Writing Intensive	3		Free Elective	3	
	Gen. Ed: HIS 148 American History to 1877 **or** HIS 149 American History from 1877	3		Gen Ed: Social and Behavioral Sciences **or** Humanities	3	
	Gen. Ed: Humanities (foreign language if required)	3		Gen Ed: PSY 100 Introduction to Psychology	3	
	Gen. Ed: COM 160, 161,162 or 163	3		Gen Ed: Social and Behavioral Sciences	3	
	Gen Ed: Social and Behavioral Sciences	3		Gen Ed: Humanities (foreign language if required)	3	

SECOND YEAR (32 S.H.)	SEMESTER 3 (15 S.H.)			SEMESTER 4 (17 S.H.)		
	Gen. Ed: MAT 181 Calculus I (MAT 133 or equivalent placement)	4		MAT 182 Calculus II (MAT 181 or equivalent placement)	4	
	CHE 250 Chemistry Seminar	1		CHE 111 General Chemistry II (CHE 110)	4	
	Gen. Ed: Fine Art	3		Free Elective	3	
	CHE 110 General Chemistry I (placement exam or grade ≥ C in CHE 100)	4		EPY 204 Adolescent Development in School Setting (completion of 30 credits of course work and cumulative GPA ≥ 2.67)	3	
	ED 206 Introduction to Education (completion of 30 S.H.)	3		HPX 215 Health Issues in the Schools	3	

THIRD YEAR (34-35 S.H.)	SEMESTER 5 (17 S.H.)			SEMESTER 6 (17-18 S.H.)		
	PHY 110 General Physics I (MAT 182 and grade of C or better in PHY 103, or placement)	4		PHY 111 General Physics II (PHY 110)	4	
	CHE 205 Analytical Chemistry-Lecture (CHE 111 and prerequisite or co-requisite CHE 206)	3		HPX 177 (lecture and activity)	2	
	CHE 206 Analytical Chemistry-Lab (CHE 111 and prerequisite or co-requisite CH 205)	2		Advanced Math/Science Elective (consult catalog for prerequisites)	3-4	
	CHE 300 Physical Chemistry I (CHE 205, CHE 206, CHE 211, MAT 181 and PHY 111)	4		CHE 211 Organic Chemistry II (CHE 210)	4	
	CHE 210 Organic Chemistry I (CHE 110 and a grade ≥C in CHE 111)	4		CHE 301 Physical Chemistry II(CHE 300)	4	
	Complete a degree audit and plan for application for graduation			Senior Presentation		

FOURTH YEAR (26 S.H.)	SEMESTER 7 (13 S.H.)			SEMESTER 8 (13 S.H.)		
	EPY 405 Introduction to Special Education (EPY 203 or 204 **or** PSY 210 or 211)	3		ED 340 Assessment of Teaching Strategies	1	
	ED 385 Methods of Teaching in Secondary Schools (enrollment in professional semester)	3		ED 342 Student Teaching	12	
	ED 386 Secondary Professional Development School Experience (enrollment in professional semester)	1		Senior Presentation	Y/N	
	ED 440 Integrating Language (enrollment in professional semester)	3				
	ED 442 Teaching Science in Secondary Schools (enrollment in professional semester)	3				

The Education Department requirements are outlined on the department website. Please note requirements for admission to the program, exams, certifications, professional education fees and student teaching policies.