Bachelor of Science (BS)
Degree Code 214*
Concentration Code 214J

Program of Study for Chemistry Majors
CHEMISTRY
SECONDARY EDUCATION LICENSURE

122

I.	CORE CURRICULUM			
II.	A minimum grade of C is required in ear CI 2300 (2) Teaching ar FDN 2400 (2) Critical Pers	FDN 2400 (2) Critical Perspectives on Teaching and Learning (Pre or Co: CI 2300) (Entry course to teacher education)		
		Applied to Teaching (Pre or Co: Cl 2300)	PROFICIENCIES:	
		clusive Learning Communities (Pre: CI 2300, FDN 2400, PSY 3010)	Reading	
	 : :	Practice in Educational Assessment (Pre: CI 2300, FDN 2400, PSY 3010)		
	C I 4900 (12) Student Teaching [CAP] (Cumulative 2.7 GPA; All courses in professional core must be completed with grades of C (2.0) or higher prior to student teaching, along with other courses (including methods and reading) identified within the major			
	*Admission to Teacher Education req		Minimum 2.7 cumulative GPA required to graduate.	
		quire a minimum 2.7 cumulative GPA from admission into the teacher ed		
		o student teaching. Admission also requires students to take and satisfy		
	Reading, Writing and Math areas of the	he PRAXIS I Core. The PRAXIS II Area Exams are required prior to the end	of student teaching.	
III.	MAJOR REQUIREMENTS (Not including 12 s.h. already counted in I, above)			
Α.	CHE 1102/1120 (4) Intro CHE 2210 (3) Quar CHE 2211 (1) Quar CHE 3000 (1) Intro CHE 3301 (3) Phys CHE 3303 (1) Phys CHE 3404 (3) Inorg CHE 3521 (1) Seco	oductory Chemistry I & Lab (Pre: MAT 1020 or higher) o Chemistry II & Lab (Pre: CHE 1101 & 1110; MAT 1020 or higher; Co: 1120) ntitative Analysis (Pre: CHE 1102 & 1120; Co: 2211) ntitative Analysis Lab (Co: CHE 2210) oduction to Chemical Research (Pre: CHE 2101 or 2202; 2210) ical Chemistry I (Pre: CHE 2210 & 2211; MAT 1120; PHY 1151) ical Chemistry I Laboratory [WID] (Pre: RC 2001; Pre/Co: CHE 3301) ganic Chemistry (Pre: CHE 2101 & 2102 or 2202 & 2204; CHE 2210 & 2211) ndary Science Field Experience (Pre: Jr/Sr standing) arning Assistance Program or the Supplemental Instruction Program is se	strongly recommended.	
CHOOSE ONE GROUP OF 11 semester hours:				
		lamentals of Organic Chemistry (Pre: CHE 1102 & 1120; Co: 2102)		
	` ,	lamentals of Organic Chemistry Lab (Pre: CHE 1102 & 1120; Co: 2101)		
		ry courses (CHE 4580, Biochemistry I is recommended)		
	OR			
	CHE 2201 (3) Orga	nic Chemistry I (Pre: CHE1102 & 1120; Co: 2203)		
	CHE 2203 (1) Orga	nic Chemistry I Lab (Pre: CHE 1102 &1120; Co: 2201)		
	CHE 2202 (3) Orga	nic Chemistry II (Pre: CHE 2201 & 2203 w/min grade C-; Co: CHE 2204)		
	CHE 2204 (1) Orga	nic Chemistry II Lab (Pre: CHE 2201 & 2203 w/min grade C-; Co: CHE 2202)		
	Plus 3 semester hours of chemistr	ry courses (CHE 4580, Biochemistry I is recommended)		
В.		HY 1150 (5) Analytical Physics I (Co: MAT 1110)		
c.	Mathematics (8 semester hours)			
С.	•	ulus with Analytic Geometry I (Pre: MAT 1025 w/min grade C-)		
		ulus with Analytic Geometry II (Pre: MAT 1110 w/min grade C-)		
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٥.		imum "C" grade is required in both these courses. hing Science in Middle and High Schools [WID] (Pre: RC 2001)		
		Meaning & Nature of Science [WID] (Pre: RC 2001; Sr. standing)		
E.) ogical Concepts I <i>(Co: CHE 1101)</i> oduction to Physical Geology		
IV.	MINOR (optional)			
٧.	ELECTIVES (taken to total 122	hours for the degree)	2	

2 semester hours of free electives must be outside the major discipline.