

Bachelor of Science in Chemistry with Secondary Science Licensure, 215A

YEAR	FALL SEMESTER	SEM	DESIGN	HOURS	YEAR	SPRING SEMESTER	SEM	DESIGN	HOURS
1st	CHE 1101 Introductory Chemistry I **		ND	3	1st	CHE 1102 Introductory Chemistry II **		ND	3
1st	CHE 1110 Introductory Chemistry I Laboratory			1	1st	CHE 1120 Introductory Chemistry II Laboratory			1
1st	MAT 1110 Calculus with Analytical Geometry I		ND	4	1st	MAT 1120 Calculus with Analytical Geometry II		ND	4
1st	ENG 1000 Expository Writing		W	3	1st	ENG 1100 Introduction to Literature		W	3
1st	core curriculum course			3	1st	core curriculum course			3
					1st	physical activity/wellness course			1
				14					15
2nd	CHE 2201 Org. Chem. I OR CHE 2101 Fund. of Org. Chem.***			3	2nd	CHE 2210 Quantitative Analysis **		W	4
2nd	CHE 2203 Organic Chemistry I Laboratory			1	2nd	PHY 1151 Analytical Physics II **	[S]	W, ND	5
2nd	PHY 1150 Analytical Physics I **	[F]	W, ND	5	2nd	PSY 3000 Educational Psychology		MC,CD	3
2nd	CI/SPE 2800 Teachers, Scholars & Learners			3	2nd	core curriculum course			3
	core curriculum course			3	2nd	physical activity/wellness course			1
				15					16
3rd	CHE 3301 Physical Chemistry I	[F]	C	3	3rd	CHE 3404 Inorganic Chemistry	[S]		3
3rd	CHE 3303 Physical Chemistry I Lab	[F]	W	1	3rd	CHE elective			3
3rd	CHE 3000 Introduction to Chemical Research		S	1	3rd	BIO 1110 Concepts in Biology **			4
3rd	CI/FDN/RE 3850 Literacy, Tech. & Inst.			3	3rd	FDN 3800 Foundations of American Education		CD	3
3rd	core curriculum course			3	3rd	core curriculum course			3
3rd	core curriculum course			3	3rd	elective			1
3rd	elective			3					
				17					17
4th	CHE 3520 Instructional Assistance			1					
4th	GLY 1101 Introduction to Physical Geology **		ND	4					
4th	G S 4403 Teaching Science in Middle and High Schools			3					
4th	CHE Elective			4					
4th	RE 4630 Reading in the Content Areas			2	4th	CI/SPE 4900 Student Teaching			12
4th	core curriculum course			3					
				16					
** This course has a required laboratory									
***We recommend CHE 2201/2203-2202/2204 OR CHE 2101/2203 and CHE 4580 Biochemistry I									
								Total	122 SH