

Chemistry, B.S. - General Chemistry Subplan/Option: 120 units  
Associate Degree Transfer, Chemistry, AS-T  
2021-2022 Academic Year

*Students should adhere to this recommended plan to ensure completion of 60 additional units.*

	Fall		Units	Spring		Units	Comments
	Courses	Requirements/Comments		Courses	Requirements/Comments		
<b>Year 1</b>	CHM 2210 Quantitative Analysis [FSpSu]	Prereq: C- or better in CHM 123 or CHM 1220; and CHM 123L or CHM 1220L.	2	BIO 1150 Basic Biology (B2) [FSp]		3	
	CHM 2210L Quantitative Analysis Laboratory [FSpSu]	Prereq: C- or better in CHM 123 or CHM 1220, and C- or better in CHM 123L or CHM 1220L. Coreq: CHM 2210.	2	BIO 1150L Basic Biology Laboratory (B3) [FSp]	Coreq: BIO 1150.	1	
	CHM 3110 Classical Physical Chemistry [F]	CHM 123 or CHM 1220; MAT 116 or MAT 1150; PHY 133 or PHY 1520; and PHY 133L or PHY 1520L.	3	CHM 3120 Quantum Physical Chemistry [Sp]	CHM 123 or CHM 1220; MAT 116 or MAT 1150; PHY 133 or PHY 1520; PHY 133L or PHY 1520L; and MAT 216, MAT 224 or MAT 2250 can be concurrent.	3	
	CHM 3270 Biochemistry I [FSp]	Prereq: C- or better in CHM 1220 or CHM 123; C- or better in CHM 1220L or CHM 123L; C- or better in CHM 316 or CHM 3150; C- or better in CHM 317L or CHM 3140L; and D or better in BIO 115, BIO 121, BIO 1150 or BIO 1210.	3	CHM 3520L Physical Chemistry Laboratory [FSpSu]	Prereq: C- or better in CHM 305, CHM 3040, CHM 3050, CHM 312, CHM 3110 or CHM 3120.	2	
	CHM 3270L Biochemistry Laboratory I [FSpSu]	Prereq: C- or better in CHM 1220, CHM 122, or CHM 123; C- or better in CHM 1220L, CHM 122L, or CHM 123L; C- or better in CHM 321, CHM 327, CHM 3210, or CHM 3270; C- or better in CHM 250L, CHM 317L, CHM 2010L, or CHM 3140L; D or better in BIO 115, BIO 121,	1	Option Electives [FSp]	Select from Curriculum Sheet	3	
	CHM 2910A Chemical Communication Activity [FSp]	Prereq: C- or better in CHM 1220 or CHM 123, and C- or better in CHM 1220L or CHM 123L.	1	GE Area B5: Science and Technology Synthesis [FSp]		3	
	<b>Total Units</b>		<b>15</b>	<b>Total Units</b>		<b>15</b>	

	Fall		Units	Spring		Units	Comments	
	Courses	Requirements/Comments		Courses	Requirements/Comments			
Year 2	CHM 3430 Separation Methods [FSp]	Prereq: C- or better in CHM 221, CHM 2210, or CHM 221B; and C- or better in CHM 221L, CHM 2210L, or CHM 221LB.	1	Option Electives [FSp]	Select from Curriculum Sheet	4	<i>*Students wishing to pursue a senior research project should take CHM 4610, 4620, and 4630 (2/2/1) to satisfy electives. It generally takes one year to complete the project.</i>	
	CHM 3430L Separation Methods Laboratory [FSp]	Prereq: C- or better in CHM 221, CHM 2210, or CHM 221B; and C- or better in CHM 221L, CHM 2210L, or CHM 221LB. Coreq: CHM 3430.	1	Option Electives [FSp]	Select from Curriculum Sheet	3		
	CHM 3420 Spectroscopic Methods [FSp]	Prereq: C- or better in CHM 221, CHM 2210 or CHM 221B; and C- or better in CHM 221L, CHM 2210L or CHM 221LB. Coreq: CHM 3420L.	1	Option Electives [FSp]	Select from Curriculum Sheet	3		
	CHM 3420L Spectroscopic Methods Laboratory [FSp]	Prereq: C- or better in CHM221, CHM 2210, or CHM221B; and CHM221L, CHM 2210L, or CHM221LB.	1	PLS 4205 American Political Institutions and Behavior (D4, Amer. Ideals Part B) [FSp]	If American Ideals requirement has been satisfied by lower division transferred courses, take any D4 Social Science Synthesis course.	3		
	Option Electives [FSp]	Select from Curriculum Sheet	3	Unrestricted Elective		3		
	Option Electives [FSp]	Select from Curriculum Sheet	4			0		
			3			0		
			0			0		
	<i>File an application to graduate</i>							
	<b>Semester Total Units</b>			<b>14</b>	<b>Semester Total Units</b>			<b>16</b>
<b>Total Units</b>						<b>60</b>		