

**Chemistry, B.S. - General Chemistry**  
**Associate Degree Transfer, Chemistry, AS-T**  
**2019-2020 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	Prereq: C- or better in CHM 123 or CHM 1220; and CHM 123L or CHM 1220L. Coreq: CHM 2210L.	2	BIO 1150 Basic Biology (B2)	Coreq: BIO 1150L.	3	
	CHM 2210L Quantitative Analysis Laboratory	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)	Coreq: BIO 1150.	1	
	CHM 3040 Elements of Physical Chemistry I	or CHM 3110 Classical Physical Chemistry	3	CHM 3050 Elements of Physical Chemistry II	or CHM 3050 Quantum Physical Chemistry	3	
	CHM 3270 Biochemistry I	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. Coreq: CHM 3270L.	3	CHM 3520L Physical Chemistry Laboratory	Prereq: C- or better in CHM 305, CHM 3040, CHM 3050, CHM 312, CHM 3110 or CHM 3120.	2	
	CHM 3270L Biochemistry Laboratory I	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	Select from Curriculum Sheet	3	
	CHM 2910A Chemical Communication Activity	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		3	
	GE Area C3: Arts and Humanities Synthesis		3			0	
	<i>Take the Graduation Writing Test.</i>						
<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		
<b>Year 2</b>	CHM 3430 Separation Methods	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 3430L.	1	Option Electives	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	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	Select from Curriculum Sheet	3	
	CHM 3420 Spectroscopic Methods	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	Select from Curriculum Sheet	3	
	CHM 3420L Spectroscopic Methods Laboratory	Prereq: C- or better in CHM221, CHM 2210, or CHM221B; and CHM221L, CHM 2210L, or CHM221LB. Coreq: CHM 3420.	1	GE Area D4: Social Science Synthesis		3	
	Option Electives	Select from Curriculum Sheet	3	Unrestricted Elective		3	
	Option Electives	Select from Curriculum Sheet	4			0	
	Option Electives	Select from Curriculum Sheet	3			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>	