

# CHEMISTRY (B.A.)

Degree: Bachelor of Arts

Major: Chemistry

Concentration: None

Total Hours: 120

Code	Title	Hours
<b>General Education Core Curriculum</b>		
<i>Communication</i>		
ENGL 1301	Composition I	3
Select one from the following:		3
COMM 1315	Public Speaking I	
COMM 1321	Business and Professional Speech	
<i>Mathematics</i>		
MATH 1342	Statistics	3
<i>Life and Physical Sciences</i>		
Select eight hours from the following:		8
BIOL 1406	General Biology I (Majors)	
BIOL 1407	General Biology II (Majors)	
GEOL 1403	Geology I: Physical Geology	
GEOL 1404	Geology II: Historical Geology	
<i>Language, Philosophy and Culture</i>		
Select three hours from the following:		3
DSDE 1374	Introduction to Deaf Studies	
ENGL 2300	Close Reading II	
ENGL 2322	British Literature	
ENGL 2326	American Literature	
ENGL 2331	World Literature	
ENGL 2376	African-American Literature	
PHIL 1370	Philosophy of Knowledge	
PHIL 2306	Ethics	
<i>Creative Arts</i>		
Select three hours from the following:		3
ARTS 1301	Art Appreciation	
ARTS 1303	Art History I	
COMM 1375	Film Appreciation	
COSC 1324	The Art of Computer Game Development	
DANC 2304	Dance Appreciation	
MUSI 1306	Music Appreciation	
MUSI 1309	Jazz History and Appreciation	
MUSI 1310	History of Rock and Roll	
PHIL 1330	Arts and Ideas	
THEA 1310	Theatre Appreciation	
<i>American History</i>		
Select six hours from the following:		6
HIST 1301	U S History I 1763-1877	
HIST 1302	U S History II Since 1877	
HIST 2301	Texas History	
<i>Government/Political Science</i>		
POLS 2301	Intro to American Government I	3

POLS 2302	Intro/American Government II	3
<i>Social and Behavioral Science</i>		
Select three hours from the following:		3
ANTH 2346	Introduction to Anthropology	
ANTH 2351	Cultural Anthropology	
BULW 1370	Business Environment and Public Policy	
CRIJ 1301	Intro to Criminal Justice	
ECON 1301	Principles and Policies	
ECON 2301	Principles of Economics I Macro	
ECON 2302	Principles of Economics II Micro	
FINC 2310	Intro to Consumer Finance	
INEN 2373	Engineering Economics	
POLS 1301	Intro to Political Science	
PSYC 2301	General Psychology	
PSYC 2315	Lifespan Development	
SOCI 1301	Introduction to Sociology	
SOWK 2361	Intro Social Work	
<i>Component Area Option - 6 Hours</i>		
ENGL 1302	Composition II	3
MATH 2413	Calculus and Analytical Geometry I	4
<b>Required Major Courses</b>		
<i>Major Requirements</i>		
CHEM 1111	General Chemistry I Laboratory	1
CHEM 1112	General Chemistry II Laboratory	1
CHEM 1311	General Chemistry I	3
CHEM 1312	General Chemistry II	3
CHEM 3111	Organic Chemistry I Laboratory	1
CHEM 3112	Organic Chemistry II Laboratory	1
CHEM 3131	Inorganic Chemistry I Laboratory	1
CHEM 3311	Organic Chemistry I	3
CHEM 3312	Organic Chemistry II	3
CHEM 3331	Inorganic Chemistry	3
CHEM 3401	Quantitative Analysis	4
CHEM 4131	Physical Lab	1
CHEM 4315	Biophysical Chemistry	3
CHEM 4381	Chemical Communication	3
<i>Elective Courses</i>		
Select 17 hours of upper level (3000-4000 level)		17
<i>Chemistry Electives</i>		
Select four hours from upper level <sup>3</sup>		4
<i>Modern Language Requirements</i>		
Complete 1 track of 12 hours (I-IV) of the Modern Language choices below:		12
<i>American Sign Language</i>		
DSDE 1371	ASL I	
DSDE 1372	ASL II	
DSDE 2371	ASL III	
DSDE 3302	ASL VI	
<i>French</i>		
FREN 1311	Beginning French I	
FREN 1312	Beginning French II	
FREN 2311	Intermediate French I	

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FREN 2312	Intermediate French II	
<b>Spanish</b>		
SPAN 1311	Beginning Spanish I	
SPAN 1312	Beginning Spanish II	
SPAN 2311	Intermediate Spanish I	
SPAN 2312	Intermediate Spanish II	
<i>Additional Requirements</i>		
ENGL 3310	Technical Report Writing	3
PHYS 1401	College Physics I	4
PHYS 1402	College Physics II	4
<b>Total Hours</b>		<b>120</b>

3 Must be approved by your advisor.

Course	Title	Hours
<b>First Year</b>		
<b>Fall</b>		
MATH 1342	Statistics	3
ENGL 1301	Composition I	3
COMM 1315	Public Speaking I	3
HIST 1301	U S History I 1763-1877	3
Language, Philosophy & Culture		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
MATH 2413	Calculus and Analytical Geometry I	4
ENGL 1302	Composition II	3
HIST 1302	U S History II Since 1877	3
Creative Arts Core		3
Social and Behavioral Science Core		3
<b>Hours</b>		<b>16</b>
<b>Second Year</b>		
<b>Fall</b>		
CHEM 1311	General Chemistry I	3
CHEM 1111	General Chemistry I Laboratory	1
PHYS 1401	College Physics I	4
Modern Language		3
BIOL 1406 or GEOL 1403	General Biology I (Majors) or Geology I: Physical Geology	4
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
CHEM 1312	General Chemistry II	3
CHEM 1112	General Chemistry II Laboratory	1
PHYS 1402	College Physics II	4
Modern Language		3
BIOL 1407 or GEOL 1404	General Biology II (Majors) or Geology II: Historical Geology	4
<b>Hours</b>		<b>15</b>
<b>Third Year</b>		
<b>Fall</b>		
CHEM 3311	Organic Chemistry I	3
CHEM 3111	Organic Chemistry I Laboratory	1
CHEM 3331	Inorganic Chemistry	3
CHEM 3131	Inorganic Chemistry I Laboratory	1
POLS 2301	Intro to American Government I	3
Modern Language		3
<b>Hours</b>		<b>14</b>
<b>Spring</b>		
CHEM 3312	Organic Chemistry II	3
CHEM 3112	Organic Chemistry II Laboratory	1

CHEM 3401	Quantitative Analysis	4
POLS 2302	Intro/American Government II	3
Modern Language		3
<b>Hours</b>		<b>14</b>
<b>Fourth Year</b>		
<b>Fall</b>		
CHEM 4315	Biophysical Chemistry	3
CHEM 4131	Physical Lab	1
CHEM 4381	Chemical Communication	3
ENGL 3310	Technical Report Writing	3
Elective		6
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
Chemistry Elective		4
Electives		11
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>120</b>