

# Bachelor of Science, Chemistry Major

## Health Science Chemistry Concentration

<b>CHEMISTRY</b> (41 hrs)	
1110 General Chemistry I	4
1120 General Chemistry II	4
1500 First-Year Connections	1
2010 Intro Inorganic Chemistry	3
3010 Organic Chemistry I	4
3020 Organic Chemistry II	4
3410 Quantitative Analysis	4
3420 Analytical Applications	3
3500 Elements of Physical Chem.	3
4910 Chemistry Seminar	2
Advanced Chemistry Courses	
4610 Biochemistry I	3
4620 Biochemistry II	3
4XXX CHEM Elective	3

<b>BIOLOGY</b> (8 hrs)	
1113 General Biology I	4
1123 General Biology II	4

<b>MATHEMATICS</b> (7 hrs)	
1530 Introductory Statistics	3
1910 Calculus I	4

<b>PHYSICS</b> (8 hrs)	
2010 Algebra-Based Physics I	4
2020 Algebra-Based Physics II	4

<b>ENGLISH</b> (6 hrs)	
1010 English Composition I	3
1020 English Composition II	3

<b>HUMANITIES</b> (9 hrs)	
Literature	3
	3
	3

<b>HISTORY</b> (6 hrs)	
2010 Early US History	3
2020 Modern US History	3

<b>SOCIAL SCIENCE*</b> (6 hrs)	
	3
	3

<b>COMMUNICATION</b> (3 hrs)	
	3

<b>Technical Requirements</b> (15-16 hrs)	
BIOL 2010 Anatomy & Phys. I	4
BIOL 2020 Anatomy & Phys. II	4
BIOL 3230 HS Microbiology	4
Chosen from:	3-4
BIOL 3810, 4040 or 4150	
<b>Electives</b> (8-11 hrs)	
<b>TOTAL</b>	120

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<b>FRESHMAN YEAR</b>			
<b>DISC</b>	<b>NUMBER</b>	<b>SUBJECT</b>	<b>HOURS</b>
CHEM	1110,1120	General Chemistry I,II	8
CHEM	1500	First-Year Connections/Advisement	1
BIOL	1113,1123	General Biology I,II	8
MATH	1910	Calculus I	4
ENGL	1010,1020	English Composition I,II	6
GE/SS	-----	Social Science	3
		<b>TOTAL</b>	30
<b>SOPHOMORE YEAR</b>			
<b>DISC</b>	<b>NUMBER</b>	<b>SUBJECT</b>	<b>HOURS</b>
CHEM	2010	Introduction to Inorganic Chemistry	3
CHEM	3010,3020	Organic Chemistry I,II	8
BIOL	2010,2020	Anatomy & Physiology I & II	8
PHYS	2010,2020	Algebra-Based Physics I,II	8
MATH	1530	Introductory Statistics	3
		<b>TOTAL</b>	30
<b>JUNIOR YEAR</b>			
<b>DISC</b>	<b>NUMBER</b>	<b>SUBJECT</b>	<b>HOURS</b>
CHEM	3410,3420	Quant. Analysis, Analytical Appl'ns	7
CHEM	3500	Elements of Physical Chemistry	3
BIOL	3230	Health Science Microbiology	4
HIST	2010,2020	Early and Modern US History	6
ENGL	-----	Literature 2130, 2235 or 2330	3
GE/SS	-----	Social Science	3
GE/HUM	-----	Humanities	3
		<b>TOTAL</b>	29
<b>SENIOR YEAR</b>			
<b>DISC</b>	<b>NUMBER</b>	<b>SUBJECT</b>	<b>HOURS</b>
CHEM	4910	Chemistry Seminar	2
CHEM	4610,4620	Biochemistry I & II	6
CHEM	4XXX	CHEM Elective (see advisor)	3
BIOL	-----	Technical Requirement*	3-4
GE/COM	COMM or PC	2025 or 2500	3
GE/HUM	-----	Humanities	3
ELEC	-----	Electives	10-11
		<b>TOTAL</b>	31

\* Technical Requirement, see previous page