

## Bachelor of Science, Chemistry Major Pure Chemistry Concentration (CHMP)

<b>CHEMISTRY (55 hrs)</b>	
1110 General Chemistry I	4
1120 General Chemistry II	4
1500 1st Year Interactions	1
2010 Intro Inorganic Chem	3
3010 Organic Chemistry I	4
3020 Organic Chemistry II	4
3410 Quantitative Analysis	4
3510 Physical Chemistry I	4
3520 Physical Chemistry II	4
4110 Inorganic Chemistry	3
4150 Inorganic Laboratory	1
4210 Chemistry of Polymers	3
4520 Instrumental Analysis	4
4610 General Biochemistry I	3
4910 Chemistry Seminar	2
4991 Undergraduate Research	1
<b>ADVANCED CHEMISTRY (6 hrs)</b>	

<b>MATHEMATICS (14-15 hrs)</b>	
1910 Calculus I	4
1920 Calculus II	4
2110 Calculus III	4
Elective	2-3

<b>PHYSICS (8 hrs)</b>	
2110 Calculus-Based Physics I	4
2120 Calculus-Based Physics II	4

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

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

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

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

<b>Social Science (6 hrs)</b>	
	3
	3

<b>ELECTIVES (12-13 hrs)</b>	
<b>TOTAL</b>	<b>120</b>

## Pure Chemistry Concentration (CHMP)

<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
MATH	1910,1920	Calculus I,II	8
ENGL	1010,1020	English Composition I,II	6
SS	-----	Social Science (Gen Ed)	6
		<b>TOTAL</b>	29

<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
MATH	2110	Calculus III	4
MATH	-----	Mathematics Elective*	3
PHYS	2110,2120	Calculus-Based Physics I,II	8
HUM	-----	Humanities (Gen Ed)	6
		<b>TOTAL</b>	32

<b>JUNIOR YEAR</b>			
<b>DISC</b>	<b>NUMBER</b>	<b>SUBJECT</b>	<b>HOURS</b>
CHEM	3410	Quantitative Analysis	4
CHEM	3510,3520	Physical Chemistry I,II	8
HIST	2010,2020	Early and Modern US History	6
COM	-----	Communication (Gen Ed)	3
HUM	-----	Humanities (Gen Ed)	3
ELEC	-----	Elective	6
		<b>TOTAL</b>	30

<b>SENIOR YEAR</b>			
<b>DISC</b>	<b>NUMBER</b>	<b>SUBJECT</b>	<b>HOURS</b>
CHEM	4110,4150	Inorganic Chemistry & Laboratory	4
CHEM	4210	Chemistry of Polymers	3
CHEM	4520	Instrumental Analysis	4
CHEM	4610	General Biochemistry	3
CHEM	4910	Chemistry Seminar	2
CHEM	4991	Undergraduate Research	1
CHEM	-----	Chemistry Electives**	6
ELEC	-----	Elective	6
		<b>TOTAL</b>	29

\*Chosen from MATH 2010,2120,3070 or PHYS 2920.

\*\*Chosen from CHEM 4310,4320,4410,4620,4650,4710,4720.