

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

CHEMISTRY (52 hrs)			ENGLISH (6 hrs)		
1110	General Chemistry	4	1010	Composition I	3
1120	General Chemistry	4	1020	Composition II	3
1500	1st Yr Connections	1			
2010	Intro to Inorganic	3			
3010	Organic Chemistry	4	HUMANITIES (9 hrs)		
3020	Organic Chemistry	4			3
3410	Quant. Analysis	4			3
3510	Physical Chemistry	4			3
3520	Physical Chemistry	4	HISTORY (6 hrs)		
4110	Inorganic Chemistry	3	2010	American History I	3
4150	Inorganic Lab	1	2020	American History II	3
4520	Instrum. Analysis	4			
4610	Biochemistry	3	SOCIAL SCIENCE (6 hrs)		
4910	Seminar	2			3
4991	Intro to Research	1			3
-----	Advanced Electives*	6			
MATHEMATICS (14-15 hrs)			COMMUNICATION (3 hrs)		
1910	Calculus I	4			3
1920	Calculus II	4			
2110	Calculus III	4			
-----	Elective	2 - 3	ELECTIVES (15 hrs)*		
			-----	Choice	7-18
PHYSICS (8 hrs)					
2110	Calculus Physics I	3			
2111	Physics Lab I	1			
2120	Calculus Physics II	3			
2121	Physics Lab II	1			

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FRESHMAN YEAR			
DISC	NUMBER	SUBJECT	HOURS
CHEM	1110, 1120	General Chemistry	8
CHEM	1500	1st Year Interactions/Advisement	1
MATH	1910, 1920	Calculus I, II	8
ENGL	1010, 1020	Composition I, II	6
SS	-----	Social Science	6
		TOTAL	29

SOPHOMORE YEAR			
DISC	NUMBER	SUBJECT	HOURS
CHEM	2010	Introduction to Inorganic Chemistry	3
CHEM	3010, 3020	Organic Chemistry	8
MATH	2110	Calculus III	4
MATH	-----	Mathematics Elective*	3
PHYS	2110, 2120	Calculus-based Physics	6
PHYS	2111, 2121	Calculus-based Physics Laboratory	2
HUM	-----	Humanities	6
		TOTAL	32

JUNIOR YEAR			
DISC	NUMBER	SUBJECT	HOURS
CHEM	3510, 3520	Physical Chemistry	8
CHEM	3410	Quantitative Analysis	4
HIST	2010, 2020	American History	6
COM	-----	Communication	3
HUM	-----	Humanities	3
ELEC	-----	Elective	6
		TOTAL	30

SENIOR YEAR			
DISC	NUMBER	SUBJECT	HOURS
CHEM	4110, 4150	Inorganic Chemistry & Laboratory	4
CHEM	4520	Instrumental Analysis	4
CHEM	4610	General Biochemistry	3
CHEM	4910	Seminar	2
CHEM	4991	Introduction to Research	1
CHEM	-----	Chemistry Electives**	6
ELEC	-----	Elective	9
		TOTAL	29

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

** Chosen from CHEM 4210, 4310, 4320, 4410, 4620, 4650, 4710, 4720.