

Bachelor of Science, Chemistry Major Biochemistry Concentration (CHMB)

CHEMISTRY (37 hrs)	
1110 General Chemistry I	4
1120 General Chemistry II	4
1500 1st Year Connections	1
3010 Organic Chemistry I	4
3020 Organic Chemistry II	4
3410 Quantitative Analysis	4
3420 Analytical Applications	3
3500 Elements of Physical Chem	3
4610 General Biochemistry I	3
4620 General Biochemistry II	3
4650 Biochemistry Lab	2
4910 Chemistry Seminar	2

BIOLOGY (26 hrs)	
1113 General Biology I	4
1123 General Biology II	4
3140 Cell Biology	4
3230 Microbiology	4
3810 General Genetics	4
4150 Molecular Genetics	3
4040 or 4060	3

MATHEMATICS (7 hrs)	
1910 Calculus I	4
3070 Statistical Methods	3

PHYSICS (8 hrs)	
2010 Algebra-Based Physics I	4
2020 Algebra-Based Physics II	4

ENGLISH (6 hrs)	
1010 English Composition I	3
1020 English Composition II	3

HUMANITIES (9 hrs)	
Literature	3
	3
	3

HISTORY (6 hrs)	
2010 Early US History	3
2020 Modern US History	3

SOCIAL SCIENCE (6 hrs)	
	3
	3

COMMUNICATION (3 hrs)	
	3

ELECTIVES (12 hrs)	
TOTAL	120

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FRESHMAN YEAR			
DISC	NUMBER	SUBJECT	HOURS
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
SS	-----	Social Science (Gen Ed)	3
		TOTAL	30
SOPHOMORE YEAR			
DISC	NUMBER	SUBJECT	HOURS
CHEM	3410,3420	Quant.Analysis, Analytical Appl'ns	7
BIOL	3810	General Genetics	4
BIOL	3230	Health Science Microbiology	4
PHYS	2010,2020	Algebra-Based Physics I,II	8
HUM	-----	Humanities (Gen Ed)	6
SS	-----	Social Science (Gen Ed)	3
		TOTAL	32
JUNIOR YEAR			
DISC	NUMBER	SUBJECT	HOURS
CHEM	3010,3020	Organic Chemistry I,II	8
CHEM	3500	Elements of Physical Chemistry	3
BIOL	3140	Cell Biology	4
HIST	2010,2020	Early and Modern US History	6
COM	-----	Communication (Gen Ed)	3
HUM	-----	Humanities (Gen Ed)	3
ELEC	-----	Elective	3
		TOTAL	30
SENIOR YEAR			
DISC	NUMBER	SUBJECT	HOURS
CHEM	4610,4620	General Biochemistry	6
CHEM	4650	Biochemistry Laboratory	2
CHEM	4910	Chemistry Seminar	2
BIOL	4150	Molecular Genetics	3
BIOL	4040 or 4060	Immunology or Hormones	3
MATH	3070	Statistical Methods I	3
ELEC	-----	Elective	9
		TOTAL	28