

Chemistry-Pre-Health-Minor in Biology, B.S.

Course	Title	Semester Credit Hours
Freshman Year		
Semester 1		
BIOL 1306 & BIOL 1106	Biology for Science Majors I and Biology for Science Maj Lab I	4
Communication		3
Rhetoric & Composition		3
MATH 1314	College Algebra	3
UNIV 1201	Learning in Global Context	2
Semester Credit Hours		15
Semester 2		
CHEM 1311 & CHEM 1111	General Chemistry I and General Chemistry I Lab	4
Rhetoric & Composition		3
MATH 1316	Trigonometry	3
Creative Arts		3
Lang/Phil/Culture		3
Semester Credit Hours		16
Sophomore Year		
Semester 1		
BIOL 1307 & BIOL 1107	Biology for Science Majors II and Biology for Science Maj Lab II	4
CHEM 1312 & CHEM 1112	General Chemistry II and General Chemistry II Lab	4
MATH 1348	Analytic Geometry	3
Government/Political Science		3
Semester Credit Hours		14
Semester 2		
CHEM 3181	Chemical Literature	1
CHEM 3323 & CHEM 3123	Organic Chemistry I and Organic Chemistry Lab I	4
American History		3
PHYS 1301 & PHYS 1101	College Physics I and Coll Physics I Laboratory	4
Government/Political Science		3
Semester Credit Hours		15
Junior Year		
Semester 1		
CHEM 2401	Inorg Quantitative Analysis	4
CHEM 3325 & CHEM 3125	Organic Chemistry II and Organic Chemistry Lab II	4
MATH 2413	Calculus I	4
American History		3
Semester Credit Hours		15
Semester 2		
BIOL 2421	Elementary Microbiology	4
BIOL 3402	Genetics	4
CHEM 4341	Biochemistry I	3

STAT 4301	Biostatistics	3
Semester Credit Hours		14
Senior Year		
Semester 1		
CHEM 3331	Physical Chemistry I	3
CHEM 4131	Physical Chem Measurements I	1
CHEM 4181	Chemical Seminar	1
CHEM 4342	Biochemistry II	3
Social/Behavioral		3
BIOL, adv.		4
Semester Credit Hours		15
Semester 2		
CHEM 4401	Mod Meth of Instrumental Anal	4
CHEM 3385 or CHEM 4385	Undergraduate Research (WI) or Senior Research (WI)	3
BIOL, adv.		3
Elective		3
Elective		3
Semester Credit Hours		16
Total Credit Hours Required:		120