

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

Course	Title	Semester Credit Hours
Freshman Year		
Semester 1		
BIOL 1306 & BIOL 1106	General Biology I and General Biology Laboratory I	4
CHEM 1311 & CHEM 1111	Gen Inorganic Chemistry I and Gen Inorganic Chem Lab I	4
ENGL 1301	Rhetoric and Composition	3
MATH 1348	Analytic Geometry	3
UNIV 1201	Learning in Global Context	2
Semester Credit Hours		16
Semester 2		
CHEM 1312 & CHEM 1112	Gen Inorganic Chemistry II and Gen Inorganic Chem Lab II	4
ENGL 1302	Rhetoric and Composition	3
MATH 2413	Calculus I	4
Communications		3
Semester Credit Hours		14
Sophomore Year		
Semester 1		
BIOL 1307 & BIOL 1107	General Biology II and General Biology Laboratory II	4
CHEM 3323 & CHEM 3123	Organic Chemistry I and Organic Chemistry Lab I	4
PHYS 1301 & PHYS 1101	College Physics I and Coll Physics I Laboratory	4
POLS 2301	Government and Politics of US	3
Semester Credit Hours		15
Semester 2		
CHEM 3181	Chemical Literature	1
CHEM 3325 & CHEM 3125	Organic Chemistry II and Organic Chemistry Lab II	4
HIST 1301	American History to 1877	3
PHYS 1302 & PHYS 1102	College Physics II and College Physics II Lab	4
POLS 2302	Government and Politics of TX	3
Semester Credit Hours		15
Junior Year		
Semester 1		
CHEM 2401	Inorg Quantitative Analysis	4
CHEM 3331	Physical Chemistry I	3
CHEM 3385	Undergraduate Research (WI)	3
HIST 1302	American History since 1877	3
Lang/Phil/Culture		3
Semester Credit Hours		16
Semester 2		
BIOL 2421	Elementary Microbiology	4
BIOL 3402	Genetics	4
CHEM 4341	Biochemistry I	3
STAT 4301	Biostatistics	3

Elective		1
Semester Credit Hours		15
Senior Year		
Semester 1		
CHEM 4131	Physical Chem Measurements I	1
CHEM 4342 or CHEM 4345	Biochemistry II or Principles of Biochemistry	3
Creative arts		3
Social/Behavioral		3
BIOL, adv.		4
Semester Credit Hours		14
Semester 2		
CHEM 4181	Chemical Seminar	1
CHEM 4401	Mod Meth of Instrumental Anal	4
BIOL, adv.		3
Elective		3
Elective, adv. ¹		4
Semester Credit Hours		15
Total Credit Hours Required:		120

¹ Advanced Electives: Students select one or two advanced CHEM course from CHEM 3385, CHEM 3451, CHEM 4381, CHEM 4385, and CHEM 4421.