

## BS Chemistry Pre-Med/Pharmacy Concentration Four-Year Graduation Plan

Curriculum requirements for students interested in attending **medical, pharmacy, dental** and other health-professions programs

### (Does not include General Education Requirements)

Fall			Spring		
CHE 1313	General Chemistry I*	3	CHE 1314	General Chemistry II	3
CHE 1113	General Chemistry I Lab	1	CHE 1114	General Chemistry II Lab	1
MAT 1401	Pre-Calculus**	3	MAT 2326	Statistics or equivalent	3
*Chem. majors should start taking chemistry in the freshman year and each semester after the freshman year					
**Some or all of the following classes may be required: MAT 1311, MAT 1312, MAT 1313 (MAT 1401 may be taken in place of both MAT 1312 and MAT 1313)					
Fall			Spring		
CHE 2326	Organic Chemistry I	3	CHE 2327	Organic Chemistry II	3
PHY 1321	College Physics I	3	CHE 2230	Organic Chemistry Lab	2
PHY 1121	College Physics I Lab	1	PHY 1322	College Physics II	3
			PHY 1122	College Physics II Lab	1
Fall			Spring		
CHE 2321	Quantitative Analysis	3	CHE 3322	Instrumental Analysis	3
CHE 2121	Quantitative Analysis Lab	1	CHE 3222	Instrumental Analysis Lab	2
CHE 3346	Biochemistry I	3	CHE 4336	Biochemistry II	3
CHE 3146	Biochemistry I Lab	1			
Fall			Spring		
CHE 3311 <b>OR</b> CHE 3301	Physical Chemistry I Biophysical Chemistry	3	CHE 4241	Senior Seminar	2
CHE 3111	Physical Chemistry I Lab	1			

### Required Biology Courses for the BS Chemistry Pre-Health Concentration:

BIO 2301 - General Biology I/BIO 2101 - General Biology I Lab

BIO 2302 - General Biology II/BIO 2102 - General Biology II Lab

**NOTE:** Some health profession programs, may require two semesters of Human Anatomy as a prerequisite for admittance. If you plan to attend one of these programs, it is recommended you take Anatomy and Physiology I (BIO 2311/2111), Anatomy and Physiology II (BIO 2312/2112) and Microbiology (BIO 3231/BIO 3232).

### Math Requirements

Some health profession programs, may require one semester of Calculus (MAT 2317).