

BS Chemistry Biochemistry Concentration-ACS Certified Four-Year Graduation Plan

Curriculum requirements for students interested in advanced studies in chemistry

(Does not include General Education Requirements)

Freshman Year					
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 2317	Calculus I**	3	MAT 2318	Calculus II	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 2331	General Physics I	3	CHE 2230	Organic Chemistry Lab	2
PHY 2131	General Physics I Lab	1	PHY 2332	General Physics II	3
MAT 2326	Statistics	3	PHY 2132	General Physics II Lab	1
Fall			Spring		
CHE 2321	Quantitative Analysis	3	CHE 3322	Instrumental Analysis	3
CHE 2121	Quantitative Analysis Lab	1	CHE 4346	Biochemistry II	3
CHE 3346	Biochemistry I	3	CHE 4246	Biochemistry II Lab	2
CHE 3146	Biochemistry I Lab	1	CHE 4244	Directed Research I (Biochem.)	2
Fall			Spring		
CHE 3311	Physical Chemistry I	3	CHE 3312	Physical Chemistry II	3
CHE 3111	Physical Chemistry I Lab	1	CHE 3112	Physical Chemistry II Lab	1
CHE 4313	Inorganic Chemistry	3	CHE 4241	Senior Seminar	2
CHE 4245	Directed Research II (Biochem.)	2			

Required Biology Courses for the BS Chemistry Biochemistry Concentration-ACS Certified Track:

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

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

BIO 3231 – Microbiology/BIO 3232 - Microbiology Lab