



Bachelor of Science in Chemistry
 Recommended 4-Year Course Sequence
 2018-2019 Catalog



FRESHMAN YEAR

Fall				Spring			
TJC	UT Tyler	Title	Hours	TJC	UT Tyler	Title	Hours
		General Chemistry I	4	CHEM 1412		General Chemistry II	4
ENGL 1301		Composition I	3	ENGL 1302/2311		Composition II OR Technical & Business Writing	3
HIST 1301		United States History I	3	HIST 1302/2301		United States History II OR Texas History	3
EDUC 1300		Learning Framework	3	MATH 2413		Calculus I	4
		Creative Arts Course	3			Social and Behavioral Science Course	3
			16				17

SOPHOMORE YEAR

Fall				Spring			
TJC	UT Tyler	Title	Hours	TJC	UT Tyler	Title	Hours
CHEM 2423		Organic Chemistry I	4	CHEM 2425		Organic Chemistry II	4
PHYS 1401		College Physics I	4	PHYS 1402		College Physics II	4
MATH 2414		Calculus II	4	GOVT 2306		Texas Government	3
GOVT 2305		Federal Government	3	SPCH 1315/1321		Public Speaking OR Business & Prof Communication	3
						Language, Philosophy, and Culture Course	3
			15				17

JUNIOR YEAR

Fall				Spring			
TJC	UT Tyler	Title	Hours	TJC	UT Tyler	Title	Hours
	CHEM 4334	Biochemistry I	3		CHEM 4240	Spectroscopy	2
	CHEM 4135	Biochemistry I Laboratory	1		CHEM 3320	Inorganic Chemistry	3
	CHEM 3310	Analytical Chemistry	3		CHEM 3121	Inorganic Chemistry Laboratory	1
	CHEM 3111	Analytical Chemistry Laboratory	1		CHEM 4346	Advanced Organic Chemistry	3
	MATH 3404	Multivariate Calculus	4			Upper-Division Approved Elective	3
			12				12

SENIOR YEAR

Fall				Spring			
TJC	UT Tyler	Title	Hours	TJC	UT Tyler	Title	Hours
	CHEM 4330	Advanced Inorganic Chemistry	3		CHEM 4312	Instrumental Analysis	3
	CHEM 3352	Physical Chemistry I	3		CHEM 4113	Instrumental Analysis Laboratory	1
	CHEM 3153	Physical Chemistry I Laboratory	1		CHEM 4191	Seminar	1
	BIOL 1306	General Biology I	3		CHEM 3354	Physical Chemistry II	3
	BIOL 1106	General Biology I Laboratory	1		CHEM 3155	Physical Chemistry II Laboratory	1
		Upper-Division Approved Elective with Lab	4		BIOL 1307	General Biology II	3
					BIOL 1107	General Biology II Laboratory	1
						Upper-Division Approved Elective	3
			15				16

Total Credit Hours at Tyler Junior College	65
Total Credit Hours at UT Tyler	55
Total Credit Hours	120