



AS Chemistry to BS Biochemistry Recommended 4-Year Degree Plan



2025-2026 Catalog FRESHMAN YEAR

Fall				Spring			
Panola College	UT Tyler	Title	Hours	Panola College	UT Tyler	Title	Hours
ENGL 1301		Composition I	3	ENGL 1302		Composition II	3
HIST 1301		US History I	3	HIST 1302		US History II	3
MATH 2412		Pre-Calculus Math	4	MATH 2413		Calculus I	4
PSYC 1100		Learning Framework	0			Creative Arts	3
SPCH 1315		Public Speaking	3	BIOL 1407		Biology for Science Majors II	3
BIOL 1406		Biology for Science Majors I	4				
			17				16

SOPHOMORE YEAR

Fall				Spring			
Panola College	UT Tyler	Title	Hours	Panola College	UT Tyler	Title	Hours
CHEM 1411		General Chemistry I	4	CHEM 1412		General Chemistry II	4
GOVT 2305		Federal Government	3	GOVT 2306		Texas Government	3
MATH 2414		Calculus II	4	PHYS 2426	PHYS 2326/2126	University Physics II	4
PHYS 2425	PHYS 2325/2125	University Physics I	4	ENGL 2322		British Literature I	3
MATH 1342		Statistics	3			Social and Behavioral Science Course	3
			18				17

JUNIOR YEAR

Fall				Spring			
Panola College	UT Tyler	Title	Hours	Panola College	UT Tyler	Title	Hours
	CHEM 3310	Analytical Chemistry	3		CHEM 3320	Inorganic Chemistry	3
	CHEM 3111	Analytical Chemistry lab	1		CHEM 3121	Inorganic Chemistry lab	1
	CHEM 3342	Organic Chemistry I	3			Advanced Biology Elective*	3
	CHEM 3143	Organic Chemistry I Lab	1			Advanced Biology Elective Lab*	1
		Advanced Biology Elective*	3			Advanced Biology Elective*	3
		Advanced Biology Elective Lab*	1			Advanced Biology Elective Lab*	1
					CHEM 3344	Organic Chemistry II	3
					CHEM 3145	Organic Chemistry II Lab	1
			12				16

SENIOR YEAR

Fall				Spring			
Panola College	UT Tyler	Title	Hours	Panola College	UT Tyler	Title	Hours
	CHEM 3352	Physical Chemistry I	3		CHEM 4344	Molecular Basis of Disease	3
	CHEM 3153	Physical Chemistry I Lab	1		CHEM 3346	Nano/Supra Chemistry	3
	CHEM 4190	Chemical Literature	1		CHEM 4191	Seminar	1
	CHEM 4334	Biochemistry I	3		CHEM 4340	Proteomics	3
	CHEM 4135	Biochemistry I Lab	1		CHEM 4336	Biochemistry II	3
		Advanced Chemistry Elective*	3				
			12				15

Total Credit Hours at Panola College 60
Total Credit Hours at UT Tyler 63
Total Credit Hours 123

Courses highlighted on the pathway can be taken via co-enrollment at UT Tyler.