



A.S. in Chemistry

to

B.S. in Chemistry

This four-year plan provides a model for on-time completion of the B.S. in Chemistry at UTRGV by starting at South Texas College.

Year	First Semester		Second Semester		
	STC Requirement	UTRGV Equivalent	STC Requirement	UTRGV Equivalent	
F R E S H M A N	Creative Arts Core	Creative Arts Core	HIST 1301 or HIST 2327 (American History Core)	HIST 1301 or HIST 2327 (American History Core)	
	CHEM 1411 (Major)	CHEM 1311 & CHEM 1111 (Life & Physical Science Core, Required at UTRGV)	CHEM 1412 (Major)	CHEM 1312 & CHEM 1112 (Life & Physical Sciences Core, Required at UTRGV)	
	ENGL 1301 (Communications Core)	ENGL 1301 (Communications Core)	ENGL 1302 (Communications Core)	ENGL 1302 (Communications Core)	
	MATH 2413 (Mathematics Core)	MATH 2413 (Mathematics Core, Required at UTRGV)	PHYS 1401 (Life and Physical Sciences, Required at UTRGV)	PHYS 1401 (Major)	
	Third Semester				
		STC Requirement		UTRGV Equivalent	
		HIST 1302 or HIST 2328 (American History Core)		HIST 1302 or HIST 2328 (American History Core)	
	Language, Philosophy & Culture Core		Language, Philosophy & Culture Core		
Year	Fourth Semester		Fifth Semester		
	STC Requirement	UTRGV Equivalent	STC Requirement	UTRGV Equivalent	
S O P H O M O R E	CHEM 2423 (Major)	CHEM 2323 & CHEM 2123 (Major)	CHEM 2425 (Major)	CHEM 2325 & CHEM 2125 (Major)	
	GOVT 2305 (Political Science Core)	POLS 2305 (Political Science Core)	GOVT 2306 (Political Science Core)	POLS 2306 (Political Science Core)	
	PHYS 1402 (Life & Physical Science Core)	PHYS 1402 (Major, Required at UTRGV)	MATH 2414 (Major)	MATH 2414 (Major)	
	Social & Behavioral Science Core	Social & Behavioral Science Core	Component Area Option Core	Integrative and Experiential Learning Core	

Four-year plan aligns with the 2022-2023 programs of study.

Year	Fall Semester	Spring Semester
J U N I O R	MATH 1314, 1414 College Algebra (if not taken as prerequisite for MATH 2413) or MATH 1342 Elementary Statistical Methods or MATH 1343 Introduction to Biostatistics (Major)	CHEM 3301 Inorganic Chemistry
	CHEM 3303 or CHEM 3387 Biochemistry I or Biochemistry I Honors	CHEM 3101 Inorganic Chemistry Lab
	CHEM 3103 Biochemistry I Lab	CHEM 4304 Instrumental Analysis
	CHEM 2301 Analytical Chemistry	CHEM 4104 Instrumental Analysis Lab
	CHEM 2101 Analytical Chemistry Lab	34XX-44XX Advanced Science Elective
	34XX-44XX Advanced Science Elective	CHEM 4201 Chemistry Problems I
Year	Fall Semester	Spring Semester
S E N I O R	CHEM 3304 Physical Chemistry I	CHEM 3305 Physical Chemistry II
	CHEM 3104 Physical Chemistry I Lab	CHEM 3105 Physical Chemistry II Lab
	CHEM 43XX-43XX Advanced Chemistry Elective	CHEM 4305 Chemistry Capstone
	33XX-43XX Advanced Science Elective	CHEM 43XX-43XX Advanced Chemistry Elective
	33XX-43XX Advanced Science Elective	Free elective*

This degree requires 120 hours and a minimum of 42 advanced (3000 and 4000) credit hours.

*Free electives hours will vary to meet the minimum 42 advanced institutional credit.