Chemistry (B.S.) — Pre-Health Professions 2024-2025 Academic Catalog, Bachelor of Science – Chemistry, Pre-Health Professions

Academic Core for B.S. 47 Ho CHRISTIAN STUDIES		47 Hours	Chemistry	Chemistry		
		6	B.S. CHEMISTR	IISTRY MAJOR REQUIRED COURSES – PRE-HEALTH 3		
CSBS 1311	Engaging the Old Testament	3	CHEM 1410	General Chemistry I	4	
CSBS 1312	Engaging the New Testament	3	CHEM 1420	General Chemistry II	4	
			CHEM 2181	Introduction to Chemical Research-Capstone I		
ENGLISH		9	CHEM 3400	Quantitative Analysis	4	
ENGL 1321	Rhetoric & Composition I	3	CHEM 3410	Organic Chemistry I	4	
ENGL 1322	Rhetoric & Composition II	3	CHEM 3420	Organic Chemistry II	4	
ENGL	Literature	3	CHEM 3440	Physical Chemistry I	4	
			CHEM 3450	Physical Chemistry II	4	
A grade of a "C" or higher is required in ENGL 1321 and ENGL 1322.		.522.	CHEM 4090	Senior Evaluation	C	
EXERCISE & SPORT SCIENCE – SELECT TWO DIFFERENT COURSES		SES 2	CHEM 4181	Chemical Research-Capstone II		
EXAC		1	CHEM 4183	Seminar - Capstone III	1	
	Activity Course		CHEM 4430	Biochemistry	4	
EXAC	Activity Course	1		2181 and CHEM4181 are already accounted for in the Acad		
FINIT ADTC CE	LECTONE	•	THE HIS. JUL CHEIVIZ	:181 una Cheivi4181 are aiready accounted for in the Acac	iemic c	
FINE ARTS — SE		3	Flectives – As I	Needed to reach 120 overall hrs & 36 UL hrs		
ARTS 1350	Art Appreciation	3	CHEM 3480	Environmental Chemistry	4	
COMM 2335	Film Appreciation	3	CHEM 4350	Advanced Inorganic Chemistry	3	
FINA 2330	Exploring the Fine Arts	3		,	3 4	
MUSI 1340	Music Appreciation	3	CHEM 4440	Instrumental Analysis	4	
	* *		CHEM 4190-449			
THEA 2350	Theatre Appreciation	3	CHEM 4193-449			
WORLD CITE	LIBES SELECTIONS	•	A grade of "C" or b	etter must be made in all Chem courses counting toward t	he majo	
	URES – SELECT ONE	3	DECLUBED COL	IDEEC FOR DRE LIEALTH DROFFELEONE	20	
ARTS 2354	World Art			JRSES FOR PRE-HEALTH PROFESISONS	25	
EXSS 2353	Lifespan Nutrition	3		Biology for Science Majors I with Lab	4	
GLBL 2310	Cultural Immersion	3	,	Biology for Science Majors II with Lab	4	
HIST 1311	History of World Civilizations to 1500	3		Human Anatomy & Physiology I with Lab	4	
HIST 1312	History of World Civilizations since 1500	3	BIOL 2341/2141	Human Anatomy & Physiology II with Lab	4	
HUMA 2355	Foundations of the Humanities	3	MATH 1306	College Algebra	3	
MUSI 2358	World Music	3	MATH 1320	Pre Calculus	3	
PHIL 2315	Introduction to Philosophy	3	SOCI 1311	Introduction to Sociology	3	
LAB SCIENCE		8				
PHYS 2411	General Physics I	4	Total Hours			
			Academic Core f	or B S	47	
PHYS 2412	General Physics II	4		lajor Required Courses	33	
PUBLIC SPEAKING		3	,	eded to reach 120 overall Hrs. and 36 UL Hrs.	23	
					2.5	
COMM 1320	Public Speaking	3		s for Pre-Health Professions	25	
MATHEMATICS		4	i otal nours requ	ired for graduation	120	
MATH 1430	Calculus I	4	Additional Gradu	uation Requirements		
WATIT 1430	Calculus I	4			20	
RESEARCH METHODS OR INTERNSHIP		2	Minimum Upper		36	
			Minimum hours		30	
CHEM 2181	Introduction to Chemical Research-Caps	tone I 1		Level hours taken at UMHB	24	
CHEM 4181	Chemical Research-Capstone II	1	Minimum cumul	ative GPA	2.0	
SOCIAL SCIEN	CF	3				
PSYC 1301	General Psychology	3				
LIC LUCTORY C	OD LIS COVERNMENT SELECT ONE	3				
	OR US GOVERNMENT – SELECT ONE	3				
HIST 2311	American History to 1877	3				
HIST 2312	American History since 1877	3				
POLS 2305	United States Government	3				
POLS 2306	Texas State and Local Government	3				
FRESHMAN SEN	MINAR	1				
UMHB 1101	Freshman Seminar	1				
CHAPEL-1 to 4	credits					
UMHB 1002	Chapel					
Fine Arts Fyneria	ence – 2 to 8 credits					
UMHB 1005	Fine Arts Experience					
1000	r a capanana					