

Chemistry (B.S.) – Foreign Language

2024-2025 Academic Catalog, Bachelor of Science – Chemistry, Optional Global Emphasis: Foreign Language

Academic Core for B.S.		55 Hours	Chemistry	33 Hours	
CHRISTIAN STUDIES		6	B.S. CHEMISTRY MAJOR REQUIRED COURSES 33		
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
ENGLISH		9	CHEM 2181	Introduction to Chemical Research-Capstone I	-
ENGL 1321	Rhetoric & Composition I	3	CHEM 3400	Quantitative Analysis	4
ENGL 1322	Rhetoric & Composition II	3	CHEM 3410	Organic Chemistry I	4
ENGL	Literature	3	CHEM 3420	Organic Chemistry II	4
<i>A grade of a "C" or higher is required in ENGL 1321 and ENGL 1322.</i>			CHEM 3440	Physical Chemistry I	4
EXERCISE & SPORT SCIENCE – SELECT TWO DIFFERENT COURSES		2	CHEM 3450	Physical Chemistry II	4
EXAC	Activity Course	1	CHEM 4090	Senior Evaluation	0
EXAC	Activity Course	1	CHEM 4181	Chemical Research-Capstone II	-
FINE ARTS – SELECT ONE		3	CHEM 4183	Seminar - Capstone III	1
ARTS 1350	Art Appreciation	3	<i>The hrs. for CHEM2181 and CHEM4181 are already accounted for in the Academic Core</i>		
COMM 2335	Film Appreciation	3	Chemistry Electives – Select 4-6 hrs. from the following:		
FINA 2330	Exploring the Fine Arts	3	CHEM 3480	Environmental Chemistry	4
MUSI 1340	Music Appreciation	3	CHEM 4350	Advanced Inorganic Chemistry	3
THEA 2350	Theatre Appreciation	3	CHEM 4430	Biochemistry	4
WORLD CULTURES – SELECT ONE		3	CHEM 4440	Instrumental Analysis	4
ARTS 2354	World Art	3	CHEM 4190-4490		
EXSS 2353	Lifespan Nutrition	3	CHEM 4193-4493		
GLBL 2310	Cultural Immersion	3	<i>A grade of "C" or higher is required in all Chemistry courses counting toward the major</i>		
HIST 1311	History of World Civilizations to 1500	3	Electives 32 Hours		
HIST 1312	History of World Civilizations since 1500	3	UPPER LEVEL ELECTIVES 10		
HUMA 2355	Foundations of the Humanities	3	You need 10 additional hours to reach your minimum 36 UL required hrs.		
MUSI 2358	World Music	3	ELECTIVES 22		
PHIL 2315	Introduction to Philosophy	3	You need 22 additional hours to reach your minimum 120 required hrs.		
LAB SCIENCE		8	Total Hours		
PHYS 2411	General Physics I	4	Academic Core for B.S.	47	
PHYS 2412	General Physics II	4	Global Emphasis – Foreign Language	8	
PUBLIC SPEAKING		3	B.S. Chemistry Major Required Courses	33	
COMM 1320	Public Speaking	3	Upper Level Electives	10	
MATHEMATICS		4	Electives	22	
MATH 1430	Calculus I	4	Total hours required for graduation	120	
RESEARCH METHODS OR INTERNSHIP		2	Additional Graduation Requirements		
CHEM 2181	Introduction to Chemical Research-Capstone I	1	Minimum Upper Level hours	36	
CHEM 4181	Chemical Research-Capstone II	1	Minimum hours taken at UMHB	30	
SOCIAL SCIENCE – SELECT ONE		3	Minimum Upper Level hours taken at UMHB	24	
BECO 2310	Principles of Economics	3	Minimum cumulative GPA	2.0	
PSYC 1301	General Psychology	3			
PSYC 2399	Child and Adolescent Development	3			
SOCI 1311	Introduction to Sociology	3			
SOCW 2311	Introduction to Social Work	3			
US HISTORY 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 SEMINAR		1			
UMHB 1101	Freshman Seminar	1			
GLOBAL EMPHASIS – FOREIGN LANGUAGE		8			
8 credit hours (2 semesters or the equivalent) in one language		8			
CHAPEL – 1 to 4 credits					
UMHB 1002	Chapel				
Fine Arts Experience – 2 to 8 credits					
UMHB 1005	Fine Arts Experience				