## Chemistry (B.S.) – Biochemistry & Molecular Biology Emphasis – Foreign Language

2023-2024 Academic Catalog, Bachelor of Science – Chemistry, Biochemistry and Molecular Biology Emphasis, Global Emphasis: Foreign Language

Academic Core for B.S. 55 Ho		5 Hours	Chemistry	57 I		
		6	B.S. CHEMIST	RY MAJOR REQUIRED COURSES – BIOCHEMISTE		
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	
A grade of a "C"	or higher is required in ENGL 1321 and ENGL 1322	2.	CHEM 4090	Senior Evaluation	0	
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	RT SCIENCE – SELECT TWO DIFFERENT COURSES	2	CHEM 4183	Seminar - Capstone III	1	
EXAC	Activity Course	1	CHEM 4345	Advanced Biochemistry	3	
EXAC	Activity Course	1	CHEM 4430	Biochemistry	4	
		_	CHEM	Chemistry Upper Level Electives	3-4	
FINE ARTS — SEI		3	The hrs. for CHEM	12181 and CHEM4181 are already accounted for in the Acc	idemic Coi	
ARTS 1350	Art Appreciation	3	REQUIRED CO	URSES FOR BIOCHEM & MOL BIO EMPHASIS	22	
COMM 2335	Film Appreciation	3	BIOL 1350	Biology for Science Majors I	3	
FINA 2330	Exploring the Fine Arts	3	BIOL 1150	Biology for Science Majors I Lab	1	
MUSI 1340	Music Appreciation	3	BIOL 1360	Biology for Science Majors II	3	
THEA 2350	Introduction to the Theatre	3	BIOL 1360	Biology for Science Majors II Lab	1	
111LM 233U	indoduction to the meatre	3	BIOL 1160	Microbiology	3	
WORLD CUITI	JRES – SELECT ONE	3	BIOL 2380	Microbiology Lab	1	
ARTS 2354	World Art	3	BIOL 3310	Genetics	3	
EXSS 2353	Lifespan Nutrition	3	BIOL 3340	Immunology	3	
GLBL 2310	Cultural Immersion	3	BIOL 4305	Cell Biology	3	
HIST 1311	History of World Civilizations to 1500	3	BIOL 4305 BIOL 4105	9,	3 1	
HIST 1311	History of World Civilizations since 1500	3		Cell Biology Lab	_	
MUSI 2358	World Music	3	A grade of C or i	higher is required in all Chemistry courses counting toward	tne major	
PHIL 2315	Introduction to Philosophy	3				
TTILEZJIJ	introduction to milosophy	3	Electives	QI	Hours	
LAB SCIENCE		8	Liectives	01	iouis	
PHYS 2411	General Physics I	4	ELECTIVES		8	
PUBLIC SPEAKIN COMM 1320	IG Public Speaking	<b>3</b>	Total Hours	for D.C.	47	
NAATUENAATICS		4	Academic Core		47	
MATHEMATICS MATH 1430	Calculus I	<b>4</b>		s – Foreign Language	8	
IVIATH 1430	Calculus I	4		Major Required Courses es for Biochemistry & Molecular Biology Emphasis	35 22	
RESEARCH MET	HODS OR INTERNSHIP	2	Electives	es for blochernistry & Morecular blology Emphasis	<u> 8</u>	
CHEM 2181	Introduction to Chemical Research-Capston	el 1		uired for graduation	120	
CHEM 4181	Chemical Research-Capstone II	1	rounnours req	and for Bradadion	120	
CHEWI 4101	chemical nescaren-capstone ii	1	Additional Grad	luation Requirements		
SOCIAL SCIENCE – SELECT ONE		3	Minimum Uppe	•	36	
BECO 2310	Principles of Economics	3		s taken at UMHB	30	
PSYC 1301	General Psychology	3	Minimum Uppe	er Level hours taken at UMHB	24	
PSYC 2399	Child and Adolescent Development	3	Minimum cumu		2.0	
SOCI 1311	Introduction to Sociology	3				
SOCW 2311	Introduction to Social Work	3				
	R US GOVERNMENT – SELECT ONE	<u>3</u>				
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 SEM	IINAR	1				
UMHB 1101	Freshman Seminar	1				
GLOBAL EMPH	ASIS – FOREIGN LANGUAGE	8				
	2 semesters or the equivalent) in one language					
CHAPEL-1 to 4	credits					
UMHB 1002	Chapel					
Fine Auto France de	anne 2 to 9 quadito					
rine Arts Experie	ence – 2 to 8 credits					

UMHB 1005

Fine Arts Experience