## Chemistry (B.S.) – Biochemistry & Molecular Biology Emphasis – Study Abroad

2022-2023 Academic Catalog, Bachelor of Science – Chemistry, Biochemistry and Molecular Biology Emphasis, Global Emphasis: Study Abroad

Academic C	ore for B.S. 46 I	Hours	Chemistry		
CHRISTIAN STUDIES		6	B.S. CHEMISTRY MAJOR REQUIRED COURSES - BIOCHEMISTRY		3
CSBS 1311	Engaging the Old Testament	3	CHEM 1410	General Chemistry I	
CSBS 1312	Engaging the New Testament	3	CHEM 1420	General Chemistry II	
		_	CHEM 2181	Introduction to Chemical Research-Capstone I	
ENGLISH		9	CHEM 3400	Quantitative Analysis	
ENGL 1321	Rhetoric & Composition I	3	CHEM 3410	Organic Chemistry I	
ENGL 1322	Rhetoric & Composition II	3	CHEM 3420	Organic Chemistry II	
ENGL	Literature	3	CHEM 3440	Physical Chemistry I	
A grade of a "C" o	or higher is required in ENGL 1321 and ENGL 1322.		CHEM 4090	Senior Evaluation	
EVED CICE & CDO	DT COLENIO	_	CHEM 4181	Chemical Research-Capstone II	
EXERCISE & SPO		2	CHEM 4183	Seminar - Capstone III	
EXAC	Activity Course	1	CHEM 4345	Advanced Biochemistry	
EXAC	Activity Course	1	CHEM 4430	Biochemistry	_
		_	CHEM	Chemistry Upper Level Electives	3-
FINE ARTS — SEL		3	The hrs. for CHE	M2181 and CHEM4181 are already accounted for in the Acade	emic (
ARTS 1350	Art Appreciation	3	REQUIRED CO	DURSES FOR BIOCHEM & MOL BIO EMPHASIS	2
COMM 2335	Film Appreciation	3	BIOL 1350	Biomolecules, Genes, and Cells	_
FINA 2330	Exploring the Fine Arts	3	BIOL 1150	Biomolecules, Genes, and Cells Lab	
MUSI 1340	Music Appreciation	3	BIOL 1360	Organisms, Populations, and Ecosystems	
THEA 2350	Introduction to the Theatre	3	BIOL 1360	Organisms, Populations, and Ecosystems Organisms, Populations, and Ecosystems Lab	
11 ILM 233U	miroduction to the meatre	Э	BIOL 2380	Microbiology	
WORLD CITE	JRES – SELECT ONE	3	BIOL 2380 BIOL 2180	Microbiology Microbiology Lab	
ARTS 2354	World Art	3		Genetics	
EXSS 2353	Lifespan Nutrition	3	BIOL 3310		
HIST 1311	History of World Civilizations to 1500	3	BIOL 3340	Immunology	
HIST 1311	History of World Civilizations to 1500	3	BIOL 4305	Cell Biology	
MUSI 2358	World Music	3	BIOL 4105	Cell Biology Lab	
PHIL 2315	Introduction to Philosophy	3	A graae of "C" or	higher is required in all Chemistry courses counting toward th	ie ma
111112313	introduction to milesophy	3	Electives	141	Hour
LAB SCIENCE		8	Electives	141	noui
PHYS 2411	General Physics I	4	Total Hours		
PHYS 2412	General Physics II	4	Academic Core	e for B.S.	4
	,		Global Emphas	sis – Study Abroad	
<b>PUBLIC SPEAKIN</b>	G	3		Major Required Courses	3.
COMM 1320	Public Speaking	3		ses for Biochemistry & Molecular Biology Emphasis	2
			Electives		1
MATHEMATICS		3	Total hours red	quired for graduation	12
MATH 1330	Calculus I	3			
RESEARCH METH	HODS OR INTERNSHIP	2	Additional Gra Minimum Upp	duation Requirements	3
CHEM 2181	Introduction to Chemical Research-Capstone I	1		rs taken at UMHB	3
CHEM 4181	Chemical Research-Capstone II	1		er Level hours taken at UMHB	2
0.12.11. 1202	onemical nescaron capatone ii	-	Minimum cum		2.
	CE – SELECT ONE	3			
BECO 2310	Principles of Economics	3			
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 O	R US GOVERNMENT – SELECT ONE	3			
HIST 2311	American History to 1877	3			
HIST 2312	American History since 1877	3			
POLS 2310	State and Federal Government I	3			
POLS 2311	State and Federal Government II	3			
		_			
FRESHMAN SEM		1			
UMHB 1101	Freshman Seminar	1			
GLOBAL EMPH	IASIS – STUDY ABROAD	3			
	Study Abroad	3			
CHADEL _ 1 +  4 4	readite				
CHAPEL – 1 to 4 o	Chapel				
דחחד שוואור	Спарег				
Fine Arts Experie	ence – 2 to 8 credits				
UMHB 1005	Fine Arts Experience				