## Biology (B.S.) — Science 7-12 Cert. — Foreign Language 2022-2023 Academic Catalog, Bachelor of Science – Biology, Science 7-12 Certification, Global Emphasis: Foreign Language

Academic Core for B.S. 49 H		49 Hours	Biology – Science 7-12 Cert.		
CHRISTIAN STUDIES		6	B.S. BIOLOGY	MAJOR REQUIRED COURSES	36
CSBS 1311	Engaging the Old Testament	3	BIOL 1090	Freshman Evaluation (Freshman Only)	0
CSBS 1312	Engaging the New Testament	3	BIOL 1350	Biomolecules, Genes, and Cells	3
			BIOL 1150	Biomolecules, Genes, and Cells Lab	1
ENGLISH		9	BIOL 1360	Organisms, Populations, and Ecosystems	3
ENGL 1321	Rhetoric & Composition I	3	BIOL 1160	Organisms, Populations, and Ecosystems Lab	1
ENGL 1322	Rhetoric & Composition II	3	BIOL 3310	Genetics	3
ENGL	Literature	3	BIOL 3110	Genetics Lab	1
A grade of a "C"	or higher is required in ENGL 1321 and ENGL 13.	22.	BIOL 4090	Senior Evaluation	0
EXERCISE & SPORT SCIENCE			BIOL 4194	Capstone Writing	1
		2	BIOL 4295	Capstone Seminar	2
EXAC	Activity Course	1	BIOL 4370	Applied Ecology	3
EXAC	Activity Course	1	BIOL 4170	Applied Ecology Lab	1
FINIT ADTC CE	TIFCTONE	2	Biology Electiv		4
FINE ARTS — SE		3	BIOL BIOL	Upper-level Elective with Lab Any Biology with Lab	4
ARTS 1350	Art Appreciation	3	BIOL	Biology Electives	5-6
COMM 2335	Film Appreciation	3		ctive – Select one	5-0
FINA 2330	Exploring the Fine Arts	3	BIOL 2330	Foundations of Comparative Physiology	3
MUSI 1340	Music Appreciation	3	5101 2330	or	J
THEA 2350	Introduction to the Theatre	3	BIOL 2140	Human Anatomy & Physiology I Lab	1
			BIOL 2340	Human Anatomy & Physiology I	3
	URES – SELECT ONE	3		or	_
ARTS 2354	World Art	3	BIOL 2180	Microbiology Lab	1
EXSS 2353	Lifespan Nutrition	3	BIOL 2380	Microbiology	3
HIST 1311	History of World Civilizations to 1500	3	No grade lower t	than a "C" will count toward fulfillment of Biology major requ	irement.
HIST 1312	History of World Civilizations since 1500	3			
MUSI 2358	World Music	3	Biology Requir	red Support Courses	10
PHIL 2315	Introduction to Philosophy	3	GEOL 1401	Physical Geology	4
I AD SCIENCE			MATH 1306	College Algebra	3
LAB SCIENCE	11' to 1 do 1 -	8	WRIT 3344	Scientific Writing	3
GEOL 1402	Historical Geology	4			
PHYS 2411	General Physics I	4	MINOR IN CH		24
PUBLIC SPEAKII	NG.	3	CHEM 1410	General Chemistry I	4
			CHEM 1420	General Chemistry II	4
COMM 1320	Public Speaking	3	CHEM 3001	Lab Assistantship	0
MATHEMATICS		3	CHEM 3400	Quantitative Analysis	4
MATH 2303	Statistics	3	CHEM 3410	Organic Chemistry I	4
1411/11/12/2020	Statistics	3	CHEM 3420 CHEM 4191	Organic Chemistry II Seminar	1
RESEARCH MET	THODS OR INTERNSHIP	2	CHEM 4300	Safety in the Academic Laboratory	3
BIOL 2170	Research Methods	1	CHEWI 4300	Safety III the Academic Laboratory	J
BIOL 2171	Research Methods	1	MINOR IN PE	DAGOGY (SECONDARY LEVEL CERTIFICATION)	27
		_	EDUC 3315	Students and Learning	3
SOCIAL SCIEN	ICE – SELECT ONE	3	EDUC 4324	Classroom Management	3
BECO 2310	Principles of Economics	3	EDUC 4328	Curriculum Design	3
PSYC 1301	General Psychology	3	EDUC 4385	Educational Internship	3
PSYC 2399	Child and Adolescent Development	3	READ 4326	Disciplinary Literacy	3
SOCI 1311	Introduction to Sociology	3	EDUC 4250	Certification Preparation Seminar	2
SOCW 2311	Introduction to Social Work	3	EDUC 4501	Student Teaching I	5
		_	EDUC 4502	Student Teaching II	5
	OR US GOVERNMENT – SELECT ONE	3			
HIST 2311	American History to 1877	3	Total Hours		
HIST 2312	American History since 1877	3	Academic Core	e for B.S.	49
POLS 2310	State and Federal Government I	3	Global Emphas	sis – Foreign Language	8
POLS 2311	State and Federal Government II	3	٠,	ajor Required Courses	36
CI ASSROOM	TECHNOLOGY	3		red Support Courses	10
EDUC 2311	Classroom Technology	<u>3</u>	Minor in Chem	·	24
FDOC 5311 Classicotti LectitionoRA		3		gogy (Secondary Level Certification)	27
	MINAR	1	Total hours red	quired for graduation	154
FRESHMAN SFI					
FRESHMAN SEI	Freshman Seminar	1		dustion Bosuiromonto	
	Freshman Seminar	1	Additional Gra	•	
UMHB 1101	Freshman Seminar  HASIS – FOREIGN LANGUAGE	1 <b>8</b>	Minimum Upp	er Level hours	36
UMHB 1101 GLOBAL EMP		8	Minimum Upp Minimum hou	er Level hours rs taken at UMHB	30
UMHB 1101 GLOBAL EMP	HASIS – FOREIGN LANGUAGE	8	Minimum Upp Minimum hou	er Level hours rs taken at UMHB er Level hours taken at UMHB	

Fine Arts Experience – 2 to 8 credits UMHB 1005 Fine Arts Experience