Biology (B.S.) — Life Science 7-12 Cert. 2024-2025 Academic Catalog, Bachelor of Science – Biology, Life Science 7-12 Certification

Academic Core for B.S. 49 H CHRISTIAN STUDIES		9 Hours	Biology – Life Science 7-12 Cert B.S. BIOLOGY MAJOR REQUIRED COURSES		70 Hours
		6			
CSBS 1311	Engaging the Old Testament	3	BIOL 1350	Biology for Science Majors I	
CSBS 1312	Engaging the New Testament	3	BIOL 1150	Biology for Science Majors I Lab	
			BIOL 1360	Biology for Science Majors II	
ENGLISH		9	BIOL 1160	Biology for Science Majors II Lab	
ENGL 1321	Rhetoric & Composition I	3	BIOL 2170	Research Methods	
ENGL 1322	Rhetoric & Composition II	3	BIOL 2171	Research Methods Lab	
ENGL	Literature	3	BIOL 3310	Genetics	
A grade of a "C"	or higher is required in ENGL 1321 and ENGL 1322	2.	BIOL 3110	Genetics Lab	
,	,		BIOL 4090	Senior Evaluation	
EXERCISE & SPC	ORT SCIENCE - SELECT TWO DIFFERENT COURSES	2	BIOL 4194	Capstone Writing	
EXAC	Activity Course	1	BIOL 4295	Capstone Seminar	
EXAC	Activity Course	1	BIOL 4370	Applied Ecology	
L/V (C	receivity course	-	BIOL 4170	Applied Ecology Lab	
FINE ARTS - SE	LECT ONE	3	Biology Elective	es	
ARTS 1350	Art Appreciation	3	BIOL	Upper-level Elective with Lab	
			BIOL	Any Biology with Lab	
COMM 2335	Film Appreciation	3	BIOL	Biology Electives	5-6
FINA 2330	Exploring the Fine Arts	3	Physiology Elec	ctive – Select one	
MUSI 1340	Music Appreciation	3	BIOL 2330	Foundations of Comparative Physiology	
THEA 2350	Theatre Appreciation	3		or	
			BIOL 2140	Human Anatomy & Physiology I Lab	
WORLD CULT	URES – SELECT ONE	3	BIOL 2340	Human Anatomy & Physiology I	
ARTS 2354	World Art	3		or	
EXSS 2353	Lifespan Nutrition	3	BIOL 2180	Microbiology Lab	
GLBL 2310	Cultural Immersion	3	BIOL 2380	Microbiology	
HIST 1311	History of World Civilizations to 1500	3		han a "C" will count toward fulfillment of Biology ma	
HIST 1312	History of World Civilizations since 1500	3	No grade lower t	mana e wiii count towara janjiiment oj biology me	joi requiremen
HUMA 2355	Foundations of the Humanities	3	Riology Requir	ed Support Courses	
MUSI 2358	World Music	3	CHEM 3410	Organic Chemistry I	
PHIL 2315	Introduction to Philosophy	3	MATH 1306	College Algebra	
LAD COUNTY		0	WIATT 1500	college Algebra	•
LAB SCIENCE	C Ch : t	8		DAGOGY (SECONDARY LEVEL CERTIFICA	
CHEM 1410	General Chemistry I	4	EDUC 3315	Students and Learning	3
CHEM 1420	General Chemistry II	4	EDUC 4324	Classroom Management	3
DI IDI IC CDEAVIA	10	2	EDUC 4328	Curriculum Design	3
PUBLIC SPEAKIN		3	EDUC 4385	Educational Internship	
COMM 1320	Public Speaking	3	READ 4326	Disciplinary Literacy	
MATHEMATICS		3	EDUC 4250	Certification Preparation Seminar	
MATH 2303	Statistics	3	EDUC 4501	Student Teaching I	į
IVIA I II 2303	Statistics	3	EDUC 4502	Student Teaching II	
RESEARCH MET	HODS OR INTERNSHIP	2	Electives		1 Hou
BIOL 2170	Research Methods	1			
BIOL 2171	Research Methods	1	UPPER LEVEL		
SOCIAL SCIEN	CE – SELECT ONE	3	You need 1 add	ditional hour to reach your minimum 120 req	uired hrs.
PSYC 1301	General Psychology	3			
PSYC 2399	Child and Adolescent Development	3	Total Hours		
. 0. 0 2000	oma ana madessem beverapment	J	Academic Core	for B S	49
US HISTORY C	OR US GOVERNMENT – SELECT ONE	3		ajor Required Courses	36
HIST 2311	American History to 1877	3		ed Support Courses	-
HIST 2312	American History since 1877	3	•, ,	gogy (Secondary Level Certification)	2
POLS 2305	United States Government	3	Electives	506y (Scoomany Level Certification)	2
POLS 2306	Texas State and Local Government	3		quired for graduation	12
CLASSROOM 1	TECHNOLOGY	3		. -	
EDUC 2311	Classroom Technology	3		duation Requirements	
	J,	5	Minimum Upp	er Level hours rs taken at UMHB	3) 3)
FRESHMAN SEN	MINAR	1			
UMHB 1101	Freshman Seminar	1	Minimum Opp Minimum cum	er Level hours taken at UMHB ulative GPA	2.75 2.75
CHAPEL-1 to 4	credits		am cam		∠./,
UMHB 1002	Chapel				
C.VII ID 1002	Chapel				
•	ence – 2 to 8 credits				
UMHB 1005	Fine Arts Experience				