

Biology (B.S.) – Life Science 7-12 Cert. – Foreign Language

2024-2025 Academic Catalog, Bachelor of Science – Biology, Life Science 7-12 Certification, Global Emphasis: Foreign Language

Academic Core for B.S.		57 Hours	Biology – Life Science 7-12 Cert		70 Hours
CHRISTIAN STUDIES		6	B.S. BIOLOGY MAJOR REQUIRED COURSES		36
CSBS 1311	Engaging the Old Testament	3	BIOL 1350	Biology for Science Majors I	3
CSBS 1312	Engaging the New Testament	3	BIOL 1150	Biology for Science Majors I Lab	1
ENGLISH		9	BIOL 1360	Biology for Science Majors II	3
ENGL 1321	Rhetoric & Composition I	3	BIOL 1160	Biology for Science Majors II Lab	1
ENGL 1322	Rhetoric & Composition II	3	BIOL 2170	Research Methods	-
ENGL	Literature	3	BIOL 2171	Research Methods Lab	-
<i>A grade of a "C" or higher is required in ENGL 1321 and ENGL 1322.</i>			BIOL 3310	Genetics	3
EXERCISE & SPORT SCIENCE – SELECT TWO DIFFERENT COURSES		2	BIOL 3110	Genetics Lab	1
EXAC	Activity Course	1	BIOL 4090	Senior Evaluation	0
EXAC	Activity Course	1	BIOL 4194	Capstone Writing	1
FINE ARTS – SELECT ONE		3	BIOL 4295	Capstone Seminar	2
ARTS 1350	Art Appreciation	3	BIOL 4370	Applied Ecology	3
COMM 2335	Film Appreciation	3	BIOL 4170	Applied Ecology Lab	1
FINA 2330	Exploring the Fine Arts	3	Biology Electives		
MUSI 1340	Music Appreciation	3	BIOL	Upper-level Elective with Lab	4
THEA 2350	Theatre Appreciation	3	BIOL	Any Biology with Lab	4
WORLD CULTURES – SELECT ONE		3	BIOL	Biology Electives	5-6
ARTS 2354	World Art	3	Physiology Elective – Select one		
EXSS 2353	Lifespan Nutrition	3	BIOL 2330	Foundations of Comparative Physiology	3
GLBL 2310	Cultural Immersion	3		or	
HIST 1311	History of World Civilizations to 1500	3	BIOL 2140	Human Anatomy & Physiology I Lab	1
HIST 1312	History of World Civilizations since 1500	3	BIOL 2340	Human Anatomy & Physiology I	3
HUMA 2355	Foundations of the Humanities	3		or	
MUSI 2358	World Music	3	BIOL 2180	Microbiology Lab	1
PHIL 2315	Introduction to Philosophy	3	BIOL 2380	Microbiology	3
LAB SCIENCE		8	<i>No grade lower than a "C" will count toward fulfillment of Biology major requirements.</i>		
CHEM 1410	General Chemistry I	4	Biology Required Support Courses		7
CHEM 1420	General Chemistry II	4	CHEM 3410	Organic Chemistry I	4
PUBLIC SPEAKING		3	MATH 1306	College Algebra	3
COMM 1320	Public Speaking	3	MINOR IN PEDAGOGY (SECONDARY LEVEL CERTIFICATION)		27
MATHEMATICS		3	EDUC 3315	Students and Learning	3
MATH 2303	Statistics	3	EDUC 4324	Classroom Management	3
RESEARCH METHODS OR INTERNSHIP		2	EDUC 4328	Curriculum Design	3
BIOL 2170	Research Methods	1	EDUC 4385	Educational Internship	3
BIOL 2171	Research Methods	1	READ 4326	Disciplinary Literacy	3
SOCIAL SCIENCE – SELECT ONE		3	EDUC 4250	Certification Preparation Seminar	2
PSYC 1301	General Psychology	3	EDUC 4501	Student Teaching I	5
PSYC 2399	Child and Adolescent Development	3	EDUC 4502	Student Teaching II	5
US HISTORY OR US GOVERNMENT – SELECT ONE		3	Total Hours		
HIST 2311	American History to 1877	3	Academic Core for B.S.	49	
HIST 2312	American History since 1877	3	Global Emphasis – Foreign Language	8	
POLS 2305	United States Government	3	B.S. Biology Major Required Courses	36	
POLS 2306	Texas State and Local Government	3	Biology Required Support Courses	7	
CLASSROOM TECHNOLOGY		3	Minor in Pedagogy (Secondary Level Certification)	27	
EDUC 2311	Classroom Technology	3	Total hours required for graduation	127	
FRESHMAN SEMINAR		1	Additional Graduation Requirements		
UMHB 1101	Freshman Seminar	1	Minimum Upper Level hours	36	
GLOBAL EMPHASIS – FOREIGN LANGUAGE		8	Minimum hours taken at UMHB	30	
8 credit hours (2 semesters or the equivalent) in one language		8	Minimum Upper Level hours taken at UMHB	24	
CHAPEL – 1 to 4 credits			Minimum cumulative GPA	2.75	
UMHB 1002	Chapel				
Fine Arts Experience – 2 to 8 credits					
UMHB 1005	Fine Arts Experience				