

Biology (B.S.) – Pre-Optometry – Foreign Language

2024-2025 Academic Catalog, Bachelor of Science – Biology, Pre-Optometry, Global Emphasis: Foreign Language

Academic Core for B.S.		54 Hours	Biology – Pre-Optometry	62 Hours	
CHRISTIAN STUDIES		6	B.S. BIOLOGY MAJOR REQUIRED COURSES – PRE-OPTOMETRY 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 3310	Genetics	3
ENGL	Literature	3	BIOL 3110	Genetics Lab	1
<i>A grade of a "C" or higher is required in ENGL 1321 and ENGL 1322.</i>			BIOL 4090	Senior Evaluation	0
EXERCISE & SPORT SCIENCE – SELECT TWO DIFFERENT COURSES		2	BIOL 4194	Capstone Writing	1
EXAC	Activity Course	1	BIOL 4295	Capstone Seminar	2
EXAC	Activity Course	1	BIOL 4370	Applied Ecology	3
FINE ARTS – SELECT ONE		3	BIOL 4170	Applied Ecology Lab	1
ARTS 1350	Art Appreciation	3	Physiology Electives		
COMM 2335	Film Appreciation	3	BIOL 2380	Microbiology	3
FINA 2330	Exploring the Fine Arts	3	BIOL 2180	Microbiology Lab	1
MUSI 1340	Music Appreciation	3	BIOL 2340	Human Anatomy & Physiology I	3
THEA 2350	Theatre Appreciation	3	BIOL 2140	Human Anatomy & Physiology I Lab	1
WORLD CULTURES – SELECT ONE		3	BIOL 2341	Human Anatomy & Physiology II	3
ARTS 2354	World Art	3	BIOL 2141	Human Anatomy & Physiology II Lab	1
EXSS 2353	Lifespan Nutrition	3	BIOL 3375	Human Physiology	3
GLBL 2310	Cultural Immersion	3	BIOL 3175	Human Physiology Lab	1
HIST 1311	History of World Civilizations to 1500	3	Biology Electives		
HIST 1312	History of World Civilizations since 1500	3	BIOL	Biology Electives	1
HUMA 2355	Foundations of the Humanities	3	<i>No grade lower than a "C" will count toward fulfillment of Biology major requirements</i>		
MUSI 2358	World Music	3	REQUIRED COURSES FOR PRE-OPTOMETRY 26		
PHIL 2315	Introduction to Philosophy	3	CHEM 1420	General Chemistry II	4
LAB SCIENCE		8	CHEM 3410	Organic Chemistry I	4
CHEM 1410	General Chemistry I	4	CHEM 4430	Biochemistry	4
PHYS 2411	General Physics I	4	MATH 1306	College Algebra	3
PUBLIC SPEAKING		3	MATH 1320	Pre Calculus	3
COMM 1320	Public Speaking	3	MATH 1430	Calculus	4
MATHEMATICS		3	PHYS 2412	General Physics II	4
MATH 2303	Statistics	3	Electives 13 Hours		
RESEARCH METHODS OR INTERNSHIP		2	UPPER LEVEL ELECTIVES 13		
BIOL 2170	Research Methods	1	You need 13 additional hours to reach your minimum 36 UL required hrs.		
BIOL 2171	Research Methods	1	Total Hours		
SOCIAL SCIENCE		3	Academic Core for B.S.	46	
PSYC 1301	General Psychology	3	Global Emphasis – Foreign Language	8	
US HISTORY OR US GOVERNMENT – SELECT ONE		3	B.S. Biology Major Required Courses	36	
HIST 2311	American History to 1877	3	Required Courses for Pre-Optometry	26	
HIST 2312	American History since 1877	3	Upper Level Electives	13	
POLS 2305	United States Government	3	Total hours required for graduation	129	
POLS 2306	Texas State and Local Government	3	Additional Graduation Requirements		
FRESHMAN SEMINAR		1	Minimum Upper Level hours	36	
UMHB 1101	Freshman Seminar	1	Minimum hours taken at UMHB	30	
GLOBAL EMPHASIS – FOREIGN LANGUAGE		8	Minimum Upper Level hours taken at UMHB	24	
8 credit hours (2 semesters or the equivalent) in one language		8	Minimum cumulative GPA	2.0	
CHAPEL – 1 to 4 credits					
UMHB 1002	Chapel				
Fine Arts Experience – 2 to 8 credits					
UMHB 1005	Fine Arts Experience				