

Biology (B.S.) – Pre-Optometry – Study Abroad

2023-2024 Academic Catalog, Bachelor of Science – Biology, Pre-Optometry, Global Emphasis: Study Abroad

Academic Core for B.S.		49 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 1090	Freshman Evaluation (<i>Freshman Only</i>)	0
CSBS 1312	Engaging the New Testament	3	BIOL 1350	Biology for Science Majors I	3
ENGLISH		9	BIOL 1150	Biology for Science Majors I Lab	1
ENGL 1321	Rhetoric & Composition I	3	BIOL 1360	Biology for Science Majors II	3
ENGL 1322	Rhetoric & Composition II	3	BIOL 1160	Biology for Science Majors II Lab	1
ENGL	Literature	3	BIOL 3310	Genetics	3
<i>A grade of a "C" or higher is required in ENGL 1321 and ENGL 1322.</i>			BIOL 3110	Genetics Lab	1
EXERCISE & SPORT SCIENCE – SELECT TWO DIFFERENT COURSES		2	BIOL 4090	Senior Evaluation	0
EXAC	Activity Course	1	BIOL 4194	Capstone Writing	1
EXAC	Activity Course	1	BIOL 4295	Capstone Seminar	2
FINE ARTS – SELECT ONE		3	BIOL 4370	Applied Ecology	3
ARTS 1350	Art Appreciation	3	BIOL 4170	Applied Ecology Lab	1
COMM 2335	Film Appreciation	3	Physiology Electives		
FINA 2330	Exploring the Fine Arts	3	BIOL 2380	Microbiology	3
MUSI 1340	Music Appreciation	3	BIOL 2180	Microbiology Lab	1
THEA 2350	Introduction to the Theatre	3	BIOL 2340	Human Anatomy & Physiology I	3
WORLD CULTURES – SELECT ONE		3	BIOL 2140	Human Anatomy & Physiology I Lab	1
ARTS 2354	World Art	3	BIOL 2341	Human Anatomy & Physiology II	3
EXSS 2353	Lifespan Nutrition	3	BIOL 2141	Human Anatomy & Physiology II Lab	1
GLBL 2310	Cultural Immersion	3	BIOL 3375	Human Physiology	3
HIST 1311	History of World Civilizations to 1500	3	BIOL 3175	Human Physiology Lab	1
HIST 1312	History of World Civilizations since 1500	3	Biology Electives		
MUSI 2358	World Music	3	BIOL	Biology Electives	1
PHIL 2315	Introduction to Philosophy	3	<i>No grade lower than a "C" will count toward fulfillment of Biology major requirements</i>		
LAB SCIENCE		8	REQUIRED COURSES FOR PRE-OPTOMETRY		
CHEM 1410	General Chemistry I	4	CHEM 1420	General Chemistry II	4
PHYS 2411	General Physics I	4	CHEM 3410	Organic Chemistry I	4
PUBLIC SPEAKING		3	CHEM 4430	Biochemistry	4
COMM 1320	Public Speaking	3	MATH 1306	College Algebra	3
MATHEMATICS		3	MATH 1320	Pre Calculus	3
MATH 2303	Statistics	3	MATH 1430	Calculus	4
RESEARCH METHODS OR INTERNSHIP		2	PHYS 2412	General Physics II	4
BIOL 2170	Research Methods	1	Electives		
BIOL 2171	Research Methods	1	13 Hours		
SOCIAL SCIENCE		3	UPPER LEVEL ELECTIVES		
PSYC 1301	General Psychology	3	13		
US HISTORY OR US GOVERNMENT – SELECT ONE		3	You need 13 additional hours to reach your minimum 36 UL required hrs.		
HIST 2311	American History to 1877	3	Total Hours		
HIST 2312	American History since 1877	3	Academic Core for B.S. 46		
POLS 2305	United States Government	3	Global Emphasis – Study Abroad 3		
POLS 2306	Texas State and Local Government	3	B.S. Biology Major Required Courses 36		
FRESHMAN SEMINAR		1	Required Courses for Pre-Optometry 26		
UMHB 1101	Freshman Seminar	1	Upper Level Electives 13		
GLOBAL EMPHASIS – STUDY ABROAD		3	Total hours required for graduation 124		
Study Abroad		3	Additional Graduation Requirements		
CHAPEL – 1 to 4 credits			Minimum Upper Level hours 36		
UMHB 1002	Chapel		Minimum hours taken at UMHB 30		
Fine Arts Experience – 2 to 8 credits			Minimum Upper Level hours taken at UMHB 24		
UMHB 1005	Fine Arts Experience		Minimum cumulative GPA 2.0		