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

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

Academic Core for B.S.

54 Hours

Academic	ore for B.S.	54 Hours
CHRISTIAN STUI	DIES	6
CSBS 1311	Engaging the Old Testament	3
CSBS 1311 CSBS 1312	Engaging the New Testament	3
0000 1012	Engaging the New restament	5
ENGLISH		9
ENGL 1321	Rhetoric & Composition I	3
ENGL 1322	Rhetoric & Composition II	3
ENGL	Literature	3
A grade of a "C"	or higher is required in ENGL 1321 and ENGL 132	'2.
EXERCISE & SPC	RT SCIENCE - SELECT TWO DIFFERENT COURSES	<u>5 2</u>
EXAC	Activity Course	1
EXAC	Activity Course	1
FINE ARTS - SE	LECT ONE	3
ARTS 1350	Art Appreciation	3
COMM 2335	Film Appreciation	3
FINA 2330	Exploring the Fine Arts	3
MUSI 1340		
	Music Appreciation	3
THEA 2350	Introduction to the Theatre	3
WORLD CULT	URES – SELECT ONE	3
ARTS 2354	World Art	3
EXSS 2353	Lifespan Nutrition	3
GLBL 2310	Cultural Immersion	3
HIST 1311	History of World Civilizations to 1500	3
HIST 1312	History of World Civilizations since 1500	3
MUSI 2358	World Music	3
PHIL 2315	Introduction to Philosophy	3
LAB SCIENCE		8
CHEM 1410	General Chemistry I	4
PHYS 2411	General Physics I	4
PUBLIC SPEAKIN	IG	3
COMM 1320	Public Speaking	3
MATHEMATICS		3
MATH 2303	Statistics	3
RESEARCH MET	HODS OR INTERNSHIP	2
BIOL 2170	Research Methods	1
BIOL 2171	Research Methods	1
	6F	2
SOCIAL SCIEN	General Psychology	<u>3</u>
1510 1501	General Sychology	5
	R US GOVERNMENT – SELECT ONE	3
HIST 2311	American History to 1877	3
HIST 2312	American History since 1877	3
POLS 2305	United States Government Texas State and Local Government	3
POLS 2306	Texas state and Local Government	3
FRESHMAN SEN	/INAR	1
UMHB 1101	Freshman Seminar	1
GLOBAL FMP	IASIS – FOREIGN LANGUAGE	8
	2 semesters or the equivalent) in one language	
	medite	
UMHB 1002	Chapel	
	ence – 2 to 8 credits	
UMHB 1005	Fine Arts Experience	

Biology – Pre-Optometry 62 Hours B.S. BIOLOGY MAJOR REQUIRED COURSES – PRE-OPTOMETRY 36 0 BIOI 1090 Freshman Evaluation (Freshman Only) BIOL 1350 Biology for Science Majors I 3 BIOL 1150 Biology for Science Majors I Lab 1 Biology for Science Majors II 3 BIOL 1360 BIOL 1160 Biology for Science Majors II Lab 1 BIOL 3310 Genetics 3 BIOL 3110 Genetics Lab 1 0 BIOI 4090 Senior Evaluation BIOL 4194 Capstone Writing 1 BIOL 4295 Capstone Seminar 2 BIOL 4370 Applied Ecology 3 BIOL 4170 Applied Ecology Lab 1 **Physiology Electives** BIOL 2380 Microbiology 3 BIOL 2180 Microbiology Lab 1 Human Anatomy & Physiology I 3 BIOI 2340 BIOL 2140 Human Anatomy & Physiology I Lab 1 BIOL 2341 Human Anatomy & Physiology II 3 BIOL 2141 Human Anatomy & Physiology II Lab 1 3 BIOI 3375 Human Physiology BIOL 3175 Human Physiology Lab 1 **Biology Electives** BIOL **Biology Electives** 1 No grade lower than a "C" will count toward fulfillment of Biology major requirements REQUIRED COURSES FOR PRE-OPTOMETRY 26 CHEM 1420 General Chemistry II 4 CHEM 3410 Organic Chemistry I 4 4 CHEM 4430 Biochemistry 3 MATH 1306 College Algebra Pre Calculus 3 MATH 1320 MATH 1430 Calculus 4 General Physics II PHYS 2412 4 **Electives** 13 Hours UPPER LEVEL ELECTIVES 13 You need 13 additional hours to reach your minimum 36 UL required hrs. **Total Hours** 46 Academic Core for B.S. Global Emphasis - Foreign Language 8 B.S. Biology Major Required Courses 36 Required Courses for Pre-Optometry 26

Total hours required for graduation129Additional Graduation RequirementsMinimum Upper Level hours36Minimum hours taken at UMHB30Minimum Upper Level hours taken at UMHB24Minimum cumulative GPA2.0

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Upper Level Electives