

# Biology (B.S.) – Pre-Health Professions (Physical Therapy)

2024-2025 Academic Catalog, Bachelor of Science – Biology, Pre-Health Professions (Physical Therapy)

<b>Academic Core for B.S.</b>		<b>46 Hours</b>	<b>Biology – Pre-Health Professions</b>		<b>60 Hours</b>
<b>CHRISTIAN STUDIES</b>		<b>6</b>	<b>B.S. BIOLOGY MAJOR REQUIRED COURSES – PRE-HEALTH PROF.</b>		<b>36</b>
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
<b>ENGLISH</b>		<b>9</b>	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
<b>EXERCISE &amp; SPORT SCIENCE – SELECT TWO DIFFERENT COURSES</b>		<b>2</b>	BIOL 4194	Capstone Writing	1
EXAC	Activity Course	1	BIOL 4295	Capstone Seminar	2
EXAC	Activity Course	1	BIOL 4370	Applied Ecology	3
<b>FINE ARTS – SELECT ONE</b>		<b>3</b>	BIOL 4170	Applied Ecology Lab	1
ARTS 1350	Art Appreciation	3	<b>Physiology Electives</b>		
COMM 2335	Film Appreciation	3	BIOL 2340	Human Anatomy & Physiology I	3
FINA 2330	Exploring the Fine Arts	3	BIOL 2140	Human Anatomy & Physiology I Lab	1
MUSI 1340	Music Appreciation	3	<b>Biology Electives</b>		
THEA 2350	Theatre Appreciation	3	BIOL 2341	Human Anatomy & Physiology II	3
<b>WORLD CULTURES – SELECT ONE</b>		<b>3</b>	BIOL 2141	Human Anatomy & Physiology II Lab	1
ARTS 2354	World Art	3	BIOL 3375	Human Physiology	3
EXSS 2353	Lifespan Nutrition	3	BIOL 3175	Human Physiology Lab	1
GLBL 2310	Cultural Immersion	3	BIOL	Biology Electives	5
HIST 1311	History of World Civilizations to 1500	3	<i>No grade lower than a "C" will count toward fulfillment of Biology major requirements.</i>		
HIST 1312	History of World Civilizations since 1500	3	<b>REQUIRED COURSES FOR PRE-PT</b>		<b>24</b>
HUMA 2355	Foundations of the Humanities	3	CHEM 1420	General Chemistry II	4
MUSI 2358	World Music	3	CHEM 3410	Organic Chemistry I	4
PHIL 2315	Introduction to Philosophy	3	MATH 1306	College Algebra	3
<b>LAB SCIENCE</b>		<b>8</b>	MATH 1320	Pre Calculus	3
CHEM 1410	General Chemistry I	4	PHYS 2412	General Physics II	4
PHYS 2411	General Physics I	4	PSYC 2311	Developmental Psychology	3
<b>PUBLIC SPEAKING</b>		<b>3</b>		or	
COMM 1320	Public Speaking	3	PSYC 3315	Abnormal Psychology	3
<b>MATHEMATICS</b>		<b>3</b>	SOCI 1311	Introduction to Sociology	3
MATH 2303	Statistics	3	<b>Upper Level Electives</b>		<b>17*</b>
<b>RESEARCH METHODS OR INTERNSHIP</b>		<b>2</b>	<i>(or as needed to reach 36 hrs. total) *</i>		
BIOL 2170	Research Methods	1	<b>Total Hours</b>		
BIOL 2171	Research Methods	1	Academic Core for B.S.	46	
<b>SOCIAL SCIENCE</b>		<b>3</b>	B.S. Biology Major Required Courses	36	
PSYC 1301	General Psychology	3	Required Courses for Pre-PT	24	
<b>US HISTORY OR US GOVERNMENT – SELECT ONE</b>		<b>3</b>	Upper Level Electives	17	
HIST 2311	American History to 1877	3	<b>Total hours</b>	<b>123</b>	
HIST 2312	American History since 1877	3	<b>Additional Graduation Requirements</b>		
POLS 2305	United States Government	3	Minimum hours required for graduation	120	
POLS 2306	Texas State and Local Government	3	Minimum Upper Level hours	36	
<b>FRESHMAN SEMINAR</b>		<b>1</b>	Minimum hours taken at UMHB	30	
UMHB 1101	Freshman Seminar	1	Minimum Upper Level hours taken at UMHB	24	
<b>CHAPEL – 1 to 4 credits</b>			Minimum cumulative GPA	2.0	
UMHB 1002	Chapel				
<b>Fine Arts Experience – 2 to 8 credits</b>					
UMHB 1005	Fine Arts Experience				