Biology (B.S.) — Pre-Health Professions (Physical Therapy) 2025-2026 Academic Catalog, Bachelor of Science – Biology, Pre-Health Professions (Physical Therapy) Academic Core for B.S. 46 Hours Biology — Pre-Health Professions

Academic Core for B.S. CHRISTIAN STUDIES		46 Hours	Biology — Pre-Health Professions B.S. BIOLOGY MAJOR REQUIRED COURSES – PRE-HEALTH 34-35		
		6			
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
			BIOL 1360	Biology for Science Majors II	3
ENGLISH		9	BIOL 1160	Biology for Science Majors II Lab	1
ENGL 1321	Rhetoric & Composition I	3	BIOL 3310	Genetics	3
ENGL 1322	Rhetoric & Composition II	3	BIOL 3110	Genetics Lab	1
ENGL	Literature	3	BIOL 4090	Senior Evaluation	0
A grade of a "C"	or higher is required in ENGL 1321 and EN	IGL 1322.	BIOL 4194	Capstone Writing	1
			BIOL 4195	Capstone Seminar	1
EXERCISE & SPC	ORT SCIENCE - SELECT TWO DIFFERENT CO	•		ology - Select one:	3-4
EXAC	Activity Course	1	BIOL 4370	Applied Ecology	
EXAC	Activity Course	1	BIOL 4170	Applied Ecology Lab	
FINIT ADTC CE	LECTONIC	2	BIOL 3340	or Immunology	
FINE ARTS — SE		3	DIOL 3340	or	
ARTS 1310	Drawing I	3	BIOL 4355	Adaptation & Phylogeny	
ARTS 1320	Design	3	BIOL 4155	Adaptation & Frigingerry Adaptation and Phylogeny Lab	
ARTS 1350	Art Appreciation	3	BIOL 4133	Adaptation and Phylogeny Lab	
ARTS 2360	Ceramics I	3	Physiology Ele	ctives	
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
	· -		DIOL 2140	Human Anatomy & Fnysiology Flab	1
MUSI 1340	Music Appreciation	3	Biology Electiv	es.	
THEA 2350	Theatre Appreciation	3	BIOL 2341	Human Anatomy & Physiology II	3
WORLD CHIT	URES – SELECT ONE	3	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 150			than a "C" will count toward fulfillment of Biology major	
HIST 1312	History of World Civilizations since 1		9		,
HIST 2350	An Introduction to the Politics and C		REQUIRED CO	OURSES FOR PRE-PT	24
11101 2000	Greece and Rome	3	CHEM 1420	General Chemistry II	4
HUMA 2355	Foundations of the Humanities	3	CHEM 3410	Organic Chemistry I	4
MUSI 2358	World Music	3	MATH 1306	College Algebra	3
PHIL 2315	Introduction to Philosophy	3	MATH 1320	Pre Calculus	3
	1 /		PHYS 2412	General Physics II	4
LAB SCIENCE		8	PSYC 2311	Developmental Psychology	3
CHEM 1410	General Chemistry I	4		or	
PHYS 2411	General Physics I	4	PSYC 3315	Abnormal Psychology	3
			SOCI 1311	Introduction to Sociology	3
PUBLIC SPEAKIN		3	Electives		
COMM 1320	Public Speaking	3	Licotives		
MATHEMATICS	•	3	UPPER LEVEL	. ELECTIVES	
MATH 2303	Statistics	3	As needed to r	reach your minimum 36 UL required hrs.	
			ELECTIVES		
RESEARCH MET	HODS OR INTERNSHIP	2		reach your minimum 120 required hrs.	
BIOL 2170	Research Methods	1	7.5 riceaea to 1	each your minimant 120 required ins.	
BIOL 2171	Research Methods	1	Total Hours		
			Academic Core	e for B.S.	46
SOCIAL SCIEN		3		ajor Required Courses	34-35
PSYC 1301	General Psychology	3	Required Cour		24
IIS HISTORY	OR US GOVERNMENT – SELECT ONE	3	Upper Level El		
HIST 2311	American History to 1877	3	Total hours		120
HIST 2311	American History since 1877	3			
POLS 2305	United States Government	3	Additional Gra	duation Requirements	
POLS 2306	Texas State and Local Government	3		rs required for graduation	120
. 525 2500	. Shad State and Local Government	5	Minimum Upp	er Level hours	36
FRESHMAN SEMINAR 1			rs taken at UMHB	30	
UMHB 1101	Freshman Seminar	1		er Level hours taken at UMHB	24
			Minimum cum	nulative GPA	2.0
CHAPEL-1 to 4					
UMHB 1002	Chapel				
Fine Δrts Evnori	ence – 2 to 8 credits				
UMHB 1005	Fine Arts Experience				
	b errerrer				

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

2025-2026 Academic Catalog, Bachelor of Science – Biology, Pre-Health Professions (Physical Therapy) – DEGREE SEQUENCE

FRESHMAN FALL		15 Hours	FRESHMAN SPRING		15 Hours
BIOL 1350/1150	Biology for Science Majors I	4	BIOL 1360/1160	Biology for Science Majors II	4
ENGL 1321	Rhetoric & Composition I	3	ENGL 1322	Rhetoric & Composition II	3
CHEM 1410	General Chemistry I	4	CHEM 1420	General Chemistry II	4
MATH 1306	College Algebra*	3	PSYC 1301	General Psychology	3
UMHB 1101	Freshman Seminar	1	EXAC	Activity Course	1
UMHB 1002	Chapel	0	UMHB 1002	Chapel	0
UMHB 1005	Fine Arts Experience	0	UMHB 1005	Fine Arts Experience	0
SOPHOMORE FALL		14 Hours	SOPHOMORE S	PRING	16 Hours
	1 Research Methods	2	BIOL 2341/2141	Human Anatomy & Physiology II with Lab	4
•	Human Anatomy & Physiology I with Lab	4	BIOL	Biology Elective	5
CHEM 3410	Organic Chemistry I	4	BIOL 3310/3110	Genetics	4
CHEWI 5410	PSYC 2311 or PSYC 3315	3		Upper Level Electives	3
EXAC	Activity Course	1	UMHB 1002	Chapel	0
UMHB 1002	Chapel	0	UMHB 1005	Fine Arts Experience	0
UMHB 1005	Fine Arts Experience	0			
JUNIOR FALL		16 Hours	JUNIOR SPRING		17 Hours
	Fine Arts Experience Literature	16 Hours	BIOL 3375/3175	Human Physiology with Lab*	4
JUNIOR FALL ENGL	Literature Upper Level Electives	16 Hours 3 3	BIOL 3375/3175 COMM 1320	Human Physiology with Lab* Public Speaking*	4
JUNIOR FALL ENGL MATH 1320	Literature Upper Level Electives Pre Calculus*	16 Hours 3 3 3	BIOL 3375/3175 COMM 1320 PHYS 2412	Human Physiology with Lab* Public Speaking* General Physics II	4 3 4
JUNIOR FALL ENGL MATH 1320 PHYS 2411	Literature Upper Level Electives Pre Calculus* General Physics I	16 Hours 3 3 3 4	BIOL 3375/3175 COMM 1320	Human Physiology with Lab* Public Speaking* General Physics II Engaging the New Testament	4 3 4 3
JUNIOR FALL ENGL MATH 1320 PHYS 2411 CSBS 1311	Literature Upper Level Electives Pre Calculus* General Physics I Engaging the Old Testament	3 3 3 4 3	BIOL 3375/3175 COMM 1320 PHYS 2412 CSBS 1312	Human Physiology with Lab* Public Speaking* General Physics II Engaging the New Testament Upper Level Electives	4 3 4 3 3
JUNIOR FALL ENGL MATH 1320 PHYS 2411	Literature Upper Level Electives Pre Calculus* General Physics I	16 Hours 3 3 3 4	BIOL 3375/3175 COMM 1320 PHYS 2412	Human Physiology with Lab* Public Speaking* General Physics II Engaging the New Testament	4 3 4 3
JUNIOR FALL ENGL MATH 1320 PHYS 2411 CSBS 1311	Literature Upper Level Electives Pre Calculus* General Physics I Engaging the Old Testament	3 3 3 4 3	BIOL 3375/3175 COMM 1320 PHYS 2412 CSBS 1312 UMHB 1005	Human Physiology with Lab* Public Speaking* General Physics II Engaging the New Testament Upper Level Electives Fine Arts Experience	4 3 4 3 3 0
JUNIOR FALL ENGL MATH 1320 PHYS 2411 CSBS 1311 UMHB 1005	Literature Upper Level Electives Pre Calculus* General Physics I Engaging the Old Testament	3 3 3 4 3 0	BIOL 3375/3175 COMM 1320 PHYS 2412 CSBS 1312 UMHB 1005	Human Physiology with Lab* Public Speaking* General Physics II Engaging the New Testament Upper Level Electives Fine Arts Experience Capstone Seminar	4 3 4 3 3 0
JUNIOR FALL ENGL MATH 1320 PHYS 2411 CSBS 1311 UMHB 1005 SENIOR FALL	Literature Upper Level Electives Pre Calculus* General Physics I Engaging the Old Testament Fine Arts Experience	3 3 4 3 0	BIOL 3375/3175 COMM 1320 PHYS 2412 CSBS 1312 UMHB 1005	Human Physiology with Lab* Public Speaking* General Physics II Engaging the New Testament Upper Level Electives Fine Arts Experience Capstone Seminar Senior Evaluation	4 3 4 3 0 15 Hours 1 0
JUNIOR FALL ENGL MATH 1320 PHYS 2411 CSBS 1311 UMHB 1005 SENIOR FALL BIOL	Literature Upper Level Electives Pre Calculus* General Physics I Engaging the Old Testament Fine Arts Experience	3 3 4 3 0 15 Hours	BIOL 3375/3175 COMM 1320 PHYS 2412 CSBS 1312 UMHB 1005 SENIOR SPRING BIOL 4195	Human Physiology with Lab* Public Speaking* General Physics II Engaging the New Testament Upper Level Electives Fine Arts Experience Capstone Seminar	4 3 4 3 0 15 Hours 1 0 5
JUNIOR FALL ENGL MATH 1320 PHYS 2411 CSBS 1311 UMHB 1005 SENIOR FALL BIOL	Literature Upper Level Electives Pre Calculus* General Physics I Engaging the Old Testament Fine Arts Experience Integrative Biology Capstone Writing	3 3 4 3 0 0 15 Hours 4 1	BIOL 3375/3175 COMM 1320 PHYS 2412 CSBS 1312 UMHB 1005 SENIOR SPRING BIOL 4195 BIOL 4090 MATH 2303	Human Physiology with Lab* Public Speaking* General Physics II Engaging the New Testament Upper Level Electives Fine Arts Experience Capstone Seminar Senior Evaluation Upper Level Electives Statistics	4 3 4 3 0 15 Hours 1 0 5 3
JUNIOR FALL ENGL MATH 1320 PHYS 2411 CSBS 1311 UMHB 1005 SENIOR FALL BIOL	Literature Upper Level Electives Pre Calculus* General Physics I Engaging the Old Testament Fine Arts Experience Integrative Biology Capstone Writing Upper Level Electives	16 Hours 3 3 4 3 0 15 Hours 4 1 4	BIOL 3375/3175 COMM 1320 PHYS 2412 CSBS 1312 UMHB 1005 SENIOR SPRING BIOL 4195 BIOL 4090	Human Physiology with Lab* Public Speaking* General Physics II Engaging the New Testament Upper Level Electives Fine Arts Experience Capstone Seminar Senior Evaluation Upper Level Electives Statistics Introduction to Sociology*	4 3 4 3 3 0 15 Hours 1 0 5 3 3
JUNIOR FALL ENGL MATH 1320 PHYS 2411 CSBS 1311 UMHB 1005 SENIOR FALL BIOL	Literature Upper Level Electives Pre Calculus* General Physics I Engaging the Old Testament Fine Arts Experience Integrative Biology Capstone Writing Upper Level Electives US History or Government	16 Hours 3 3 4 3 0 15 Hours 4 1 4 3	BIOL 3375/3175 COMM 1320 PHYS 2412 CSBS 1312 UMHB 1005 SENIOR SPRING BIOL 4195 BIOL 4090 MATH 2303	Human Physiology with Lab* Public Speaking* General Physics II Engaging the New Testament Upper Level Electives Fine Arts Experience Capstone Seminar Senior Evaluation Upper Level Electives Statistics	4 3 4 3 0 15 Hours 1 0 5 3

Items in italics are required by all or most of the eleven PT schools in Texas. If there is an asterisk by the item, only a few of the PT schools require this. A minor in Psychology will allow you to fulfill the 6 hours required by PT schools and will also fulfill two of the requirements for the Bachelor of Science Core, therefore doing "double duty" so to speak on your degree plan. This allows you to finish in 4 years. Precalculus is a corequisite for PHYS 2411/2412. You must have an ACT math score of at least 23 or an SAT math score of at least 580 to be able to take this as your first math class at UMHB. Without those scores, you must take MATH 1306 first. A grade of "C" or better must be made in all Biology courses applying to the major. You must also complete 8 credits of a Fine Arts Experience (UMHB 1005).

Total Minimum Credit Hours: 120