Biology (B.S.) — Pre-Health Professions (Occupational Therapy) 2025-2026 Academic Catalog, Bachelor of Science — Biology, Pre-Health Professions (Occupational Therapy)

UMHB 1005

Fine Arts Experience

O. IDIOTI	D	_			
CHRISTIAN STUI	DIES	6		MAJOR REQUIRED COURSES – PRE-HEALTH	34-3
CSBS 1311	Engaging the Old Testament	3	BIOL 1350	Biology for Science Majors I	
CSBS 1312	Engaging the New Testament	3	BIOL 1150	Biology for Science Majors I Lab	
		_	BIOL 1360	Biology for Science Majors II	
ENGLISH		9	BIOL 1160	Biology for Science Majors II Lab	
ENGL 1321	Rhetoric & Composition I	3	BIOL 3310	Genetics	3
ENGL 1322	Rhetoric & Composition II	3	BIOL 3110	Genetics Lab	-
ENGL	Literature	3	BIOL 4090	Senior Evaluation	(
A grade of a "C"	or higher is required in ENGL 1321 and ENGL 1322.		BIOL 4194	Capstone Writing	-
		_	BIOL 4195	Capstone Seminar	-
	ORT SCIENCE – SELECT TWO DIFFERENT COURSES	2			_
EXAC	Activity Course	1	-	logy - Select one:	3-4
EXAC	Activity Course	1	BIOL 4370	Applied Ecology	
		_	BIOL 4170	Applied Ecology Lab	
FINE ARTS — SEI	LECT ONE	3	DIOL 2240	or	
ARTS 1310	Drawing I	3	BIOL 3340	Immunology	
ARTS 1320	Design	3	DIOL 4255	or	
ARTS 1350	Art Appreciation	3	BIOL 4355	Adaptation & Phylogeny	
ARTS 2360	Ceramics I	3	BIOL 4155	Adaptation and Phylogeny Lab	
COMM 2335					
	Film Appreciation	3	Physiology Ele		
FINA 2330	Exploring the Fine Arts	3	BIOL 2340	Human Anatomy & Physiology I	3
MUSI 1340	Music Appreciation	3	BIOL 2140	Human Anatomy & Physiology I Lab	-
THEA 2350	Theatre Appreciation	3			
			Biology Electiv		
WORLD CULT	URES – SELECT ONE	3	BIOL 2341	Human Anatomy & Physiology II	3
ARTS 2354	World Art	3	BIOL 2141	Human Anatomy & Physiology II Lab	-
EXSS 2353	Lifespan Nutrition	3	BIOL 3375	Human Physiology	3
GLBL 2310	Cultural Immersion	3	BIOL 3175	Human Physiology Lab	-
HIST 1311	History of World Civilizations to 1500	3	BIOL	Biology Electives	į
HIST 1312	History of World Civilizations since 1500	3	No grade lower t	han a "C" will count toward fulfillment of Biology major re	equiremen
HIST 2350	An Introduction to the Politics and Culture of An	cient	DECLUBED O	OURCES FOR REF. OT	-
	Greece and Rome	3		OURSES FOR PRE-OT	20
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	EXSS 3390	Anatomical Kinesiology	3
			MATH 1306	College Algebra	3
LAB SCIENCE		8	MATH 1320	Pre Calculus	3
CHEM 1410	General Chemistry I	4	PSYC 2311	Developmental Psychology	3
PHYS 2411	General Physics I	4	PSYC 3315	Abnormal Psychology	3
			SOCI 1311	Introduction to Sociology	3
PUBLIC SPEAKIN	NG	3			
COMM 1320	Public Speaking	3	Electives		
		_	LIECTIVES		
MATHEMATICS		<u>3</u>	UPPER LEVEL	ELECTIVES	
MATH 2303	Statistics	3	As needed to r	each your minimum 36 UL required hrs.	
RESEARCH MET	HODS OR INTERNSHIP	2			
BIOL 2170	Research Methods		ELECTIVES		
			As needed to r	each your minimum 120 required hrs.	
BIOL 2171	Research Methods	1			
SOCIAL SCIEN	CF	3			
PSYC 1301	General Psychology	3	Total Hours		
1510 1501	General i Sychology	3	Academic Core	e for B.S.	46
US HISTORY OR US GOVERNMENT – SELECT ONE		3	B.S. Biology Major Required Courses		34-35
	American History to 1877	3		ses for Pre-OT	26
HIST 2311	American History since 1877	3	Upper Level El	ectives	
	ATTICITATION STREET 10//		Electives		
HIST 2312	United States Government	3			120
HIST 2312 POLS 2305	· ·	3 3	Total hours		
HIST 2311 HIST 2312 POLS 2305 POLS 2306	United States Government				
HIST 2312 POLS 2305 POLS 2306	United States Government Texas State and Local Government		Additional Gra	duation Requirements	
HIST 2312 POLS 2305 POLS 2306 FRESHMAN SEN	United States Government Texas State and Local Government	3	Additional Gra Minimum hou	rs required for graduation	120
HIST 2312 POLS 2305 POLS 2306 FRESHMAN SEN	United States Government Texas State and Local Government MINAR	3 1	Additional Gra Minimum hou Minimum Upp	rs required for graduation er Level hours	36
HIST 2312 POLS 2305	United States Government Texas State and Local Government MINAR Freshman Seminar	3 1	Additional Gra Minimum hou Minimum Upp Minimum hou	rs required for graduation er Level hours rs taken at UMHB	36 30
HIST 2312 POLS 2305 POLS 2306 FRESHMAN SEN UMHB 1101	United States Government Texas State and Local Government MINAR Freshman Seminar	3 1	Additional Gra Minimum hou Minimum Upp Minimum hou	rs required for graduation er Level hours rs taken at UMHB er Level hours taken at UMHB	36

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

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

FRESHMAN FALL		15 Hours	urs 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
COMM 1320	Public Speaking*	3	MATH 1306	College Algebra*	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		15 Hours	SOPHOMORE SPRING		15 Hours
BIOL 2170/217	1 Research Methods	2	BIOL 2341/2141	Human Anatomy & Physiology II with Lab	4
	Human Anatomy & Physiology I with Lab	4	MATH 1320	Pre Calculus*	3
ENGL	Literature	3	BIOL 3310/3110) Genetics	4
EXSS 3390	Anatomical Kinesiology	3	PSYC 1301	General Psychology	3
SOCI 1311	Introduction to Sociology*	3	EXAC	Activity Course	1
UMHB 1002	Chapel	0	UMHB 1002	Chapel	0
		0	UMHB 1005	Fine Arts Experience	0
UMHB 1005	Fine Arts Experience	U	OWNID 1003		
JUNIOR FALL CHEM 3410	Fine Arts Experience Organic Chemistry I	16 Hours 4	JUNIOR SPRING BIOL 3375/3175	·	14 Hours
JUNIOR FALL		16 Hours	JUNIOR SPRING BIOL 3375/3175 PSYC 2311	Human Physiology with Lab* Developmental Psychology	4
JUNIOR FALL	Organic Chemistry I	16 Hours 4	JUNIOR SPRING BIOL 3375/3175	i Human Physiology with Lab*	4
JUNIOR FALL CHEM 3410	Organic Chemistry I Upper Level Electives	16 Hours 4 4	JUNIOR SPRING BIOL 3375/3175 PSYC 2311	Human Physiology with Lab* Developmental Psychology	4 3 4 3
JUNIOR FALL CHEM 3410 EXSS 2355	Organic Chemistry I Upper Level Electives Medical Terminology*	16 Hours 4 4 3	JUNIOR SPRING BIOL 3375/3175 PSYC 2311 PHYS 2411	Human Physiology with Lab* Developmental Psychology General Physics I	4 3 4
JUNIOR FALL CHEM 3410 EXSS 2355	Organic Chemistry I Upper Level Electives Medical Terminology* Engaging the Old Testament	16 Hours 4 4 3 3	JUNIOR SPRING BIOL 3375/3175 PSYC 2311 PHYS 2411 CSBS 1312	Human Physiology with Lab* Developmental Psychology General Physics I Engaging the New Testament	4 3 4 3
JUNIOR FALL CHEM 3410 EXSS 2355 CSBS 1311	Organic Chemistry I Upper Level Electives Medical Terminology* Engaging the Old Testament Elective	16 Hours 4 4 3 3 2	JUNIOR SPRING BIOL 3375/3175 PSYC 2311 PHYS 2411 CSBS 1312	Human Physiology with Lab* Developmental Psychology General Physics I Engaging the New Testament Fine Arts Experience	4 3 4 3
DUNIOR FALL CHEM 3410 EXSS 2355 CSBS 1311 UMHB 1005	Organic Chemistry I Upper Level Electives Medical Terminology* Engaging the Old Testament Elective	16 Hours 4 4 3 3 2 0	JUNIOR SPRING BIOL 3375/3175 PSYC 2311 PHYS 2411 CSBS 1312 UMHB 1005	Human Physiology with Lab* Developmental Psychology General Physics I Engaging the New Testament Fine Arts Experience	4 3 4 3 0
JUNIOR FALL CHEM 3410 EXSS 2355 CSBS 1311 UMHB 1005 SENIOR FALL	Organic Chemistry I Upper Level Electives Medical Terminology* Engaging the Old Testament Elective Fine Arts Experience	16 Hours 4 4 3 3 2 0	JUNIOR SPRING BIOL 3375/3175 PSYC 2311 PHYS 2411 CSBS 1312 UMHB 1005	Human Physiology with Lab* Developmental Psychology General Physics I Engaging the New Testament Fine Arts Experience	4 3 4 3 0
JUNIOR FALL CHEM 3410 EXSS 2355 CSBS 1311 UMHB 1005 SENIOR FALL BIOL	Organic Chemistry I Upper Level Electives Medical Terminology* Engaging the Old Testament Elective Fine Arts Experience	16 Hours 4 4 3 3 2 0	JUNIOR SPRING BIOL 3375/3175 PSYC 2311 PHYS 2411 CSBS 1312 UMHB 1005 SENIOR SPRING BIOL 4195	Human Physiology with Lab* Developmental Psychology General Physics I Engaging the New Testament Fine Arts Experience Capstone Seminar	4 3 4 3 0 0 14 Hours
JUNIOR FALL CHEM 3410 EXSS 2355 CSBS 1311 UMHB 1005 SENIOR FALL BIOL BIOL 4194	Organic Chemistry I Upper Level Electives Medical Terminology* Engaging the Old Testament Elective Fine Arts Experience Integrative Biology Capstone Writing	16 Hours 4 4 3 3 2 0 16 Hours 4 1	JUNIOR SPRING BIOL 3375/3175 PSYC 2311 PHYS 2411 CSBS 1312 UMHB 1005 SENIOR SPRING BIOL 4195	Human Physiology with Lab* Developmental Psychology General Physics I Engaging the New Testament Fine Arts Experience Capstone Seminar Senior Evaluation	4 4 3 4 4 3 0 0 1 1 4 Hours 1 0 0
DUNIOR FALL CHEM 3410 EXSS 2355 CSBS 1311 UMHB 1005 SENIOR FALL BIOL BIOL BIOL 4194 BIOL	Organic Chemistry I Upper Level Electives Medical Terminology* Engaging the Old Testament Elective Fine Arts Experience Integrative Biology Capstone Writing Biology Upper Level Electives	16 Hours 4 4 3 3 2 0 16 Hours 4 1 5	JUNIOR SPRING BIOL 3375/3175 PSYC 2311 PHYS 2411 CSBS 1312 UMHB 1005 SENIOR SPRING BIOL 4195	Human Physiology with Lab* Developmental Psychology General Physics I Engaging the New Testament Fine Arts Experience Capstone Seminar Senior Evaluation Upper Level Electives	4 3 4 3 0 14 Hours 1 0 4
JUNIOR FALL CHEM 3410 EXSS 2355 CSBS 1311 UMHB 1005 SENIOR FALL BIOL BIOL 4194 BIOL PSYC 3315	Organic Chemistry I Upper Level Electives Medical Terminology* Engaging the Old Testament Elective Fine Arts Experience Integrative Biology Capstone Writing Biology Upper Level Electives Abnormal Psychology	16 Hours 4 4 3 3 2 0 16 Hours 4 1 5 3	JUNIOR SPRING BIOL 3375/3175 PSYC 2311 PHYS 2411 CSBS 1312 UMHB 1005 SENIOR SPRING BIOL 4195	Human Physiology with Lab* Developmental Psychology General Physics I Engaging the New Testament Fine Arts Experience Capstone Seminar Senior Evaluation Upper Level Electives US History or Government	4 3 4 3 0 14 Hours 1 0 4 3

Items in italics are required by all or most of the ten OT schools in Texas. If there is an asterisk by the item, only a few of the OT schools require this. Precalculus is a corequisite for PHYS 2411. 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 Credit Hours: 120