Biology (B.S.) – Science 7-12 Cert. 2023-2024 Academic Catalog, Bachelor of Science – Biology, Science 7-12 Certification

Academic Core for B.S.

49 Hours

Accucinice		-S nouis
CHRISTIAN STU	DIES	6
CSBS 1311	Engaging the Old Testament	3
CSBS 1312	Engaging the New Testament	3
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 & SPO	RT SCIENCE – SELECT TWO DIFFERENT COURSES	5 2
EXAC	Activity Course	1
EXAC	Activity Course	1
LAC	Activity course	T
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		3
	Music Appreciation	
THEA 2350	Introduction to the Theatre	3
WORLD CULT	JRES – 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
GEOL 1402	Historical Geology	4
		-
PHYS 2411	General Physics I	4
PUBLIC SPEAKIN	IG	3
COMM 1320	Public Speaking	3
MATHEMATICS		3
MATH 2303	Statistics	3
	HODS OR INTERNSHIP	2
BIOL 2170	Research Methods	1
BIOL 2171	Research Methods	1
SOCIAL SCIEN	CE – SELECT ONE	3
PSYC 1301	General Psychology	3
PSYC 2399	Child and Adolescent Development	3
	R US GOVERNMENT – SELECT ONE	,
HIST 2311	American History to 1877	3
HIST 2311 HIST 2312	American History since 1877	3
POLS 2305	United States Government	3
POLS 2305 POLS 2306	Texas State and Local Government	3
1 010 2000		J
CLASSROOM 1		3
EDUC 2311	Classroom Technology	3
FRESHMAN SEM	IINAR	1
UMHB 1101	Freshman Seminar	1
CHAPEL-1 to 4		
UMHB 1002	Chapel	
Fine Arts Experie	ence – 2 to 8 credits	
LIMHB 1005	Fine Arts Experience	

UMHB 1005 Fine Arts Experience

Biology – Science 7-12 Cert.

94 Hours

0/		
B.S. BIOLOGY	MAJOR REQUIRED COURSES	36
BIOL 1090	Freshman Evaluation (Freshman Only)	0
BIOL 1350	Biology for Science Majors I	3
BIOL 1150	Biology for Science Majors I Lab	1
BIOL 1360	Biology for Science Majors II	3
BIOL 1160	Biology for Science Majors II Lab	1
BIOL 3310	Genetics	3
BIOL 3110	Genetics Lab Senior Evaluation	1 0
BIOL 4090 BIOL 4194	Capstone Writing	1
BIOL 4194 BIOL 4295	Capstone Seminar	2
BIOL 4235 BIOL 4370	Applied Ecology	2
BIOL 4170	Applied Ecology Lab	1
Biology Electives		-
BIOL	Upper-level Elective with Lab	4
BIOL	Any Biology with Lab	4
BIOL	Biology Electives	5-6
Physiology Elect	ive – Select one	
BIOL 2330	Foundations of Comparative Physiology	3
	or	
BIOL 2140	Human Anatomy & Physiology I Lab	1
BIOL 2340	Human Anatomy & Physiology I	3
	or	
BIOL 2180	Microbiology Lab	1
BIOL 2380	Microbiology	3
No grade lower the	an a "C" will count toward fulfillment of Biology major requ	irements.
		_
•	d Support Courses	7
GEOL 1401	Physical Geology	4
MATH 1306	College Algebra	3
MINOR IN CHE	MISTRY	24
CHEM 1410	General Chemistry I	4
CHEM 1420	General Chemistry II	4
CHEM 3001	Lab Assistantship	0
CHEM 3400	Quantitative Analysis	4
CHEM 3410	Organic Chemistry I	4
CHEM 3420	Organic Chemistry II	4
CHEM 4191	Seminar	1
CHEM 4300	Safety in the Academic Laboratory	3
MINOR IN PED	AGOGY (SECONDARY LEVEL CERTIFICATION)	27
EDUC 3315	Students and Learning	3
EDUC 4324	Classroom Management	3
EDUC 4328	Curriculum Design	3
EDUC 4385	Educational Internship	3
READ 4326	Disciplinary Literacy	3
EDUC 4250	Certification Preparation Seminar	2
EDUC 4501	Student Teaching I	5
EDUC 4502	Student Teaching II	5
Total Hours		10
Academic Core f		49
	or Required Courses d Support Courses	36 7
Minor in Chemis		24
	by (Secondary Level Certification)	24
	Jired for graduation	143
. our nours requ		140
Additional Grad	uation Requirements	
Minimum Uppe	-	36
Minimum hours	taken at UMHB	30
Minimum Uppe	r Level hours taken at UMHB	24
Minimum cumu	lative GPA	2.75