

Biology (B.S.) – Science 7-12 Cert. – Study Abroad

2024-2025 Academic Catalog, Bachelor of Science – Biology, Science 7-12 Certification, Global Emphasis: Study Abroad

Academic Core for B.S.		52 Hours	Biology – Science 7-12 Cert.		94 Hours
CHRISTIAN STUDIES		6	B.S. BIOLOGY MAJOR REQUIRED COURSES		36
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
ENGLISH		9	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
EXERCISE & SPORT SCIENCE – SELECT TWO DIFFERENT COURSES		2	BIOL 4194	Capstone Writing	1
EXAC	Activity Course	1	BIOL 4295	Capstone Seminar	2
EXAC	Activity Course	1	BIOL 4370	Applied Ecology	3
FINE ARTS – SELECT ONE		3	BIOL 4170	Applied Ecology Lab	1
ARTS 1350	Art Appreciation	3	Biology Electives		
COMM 2335	Film Appreciation	3	BIOL	Upper-level Elective with Lab	4
FINA 2330	Exploring the Fine Arts	3	BIOL	Any Biology with Lab	4
MUSI 1340	Music Appreciation	3	BIOL	Biology Electives	5-6
THEA 2350	Theatre Appreciation	3	Physiology Elective – Select one		
WORLD CULTURES – SELECT ONE		3	BIOL 2330	Foundations of Comparative Physiology or	3
ARTS 2354	World Art	3	BIOL 2140	Human Anatomy & Physiology I Lab	1
EXSS 2353	Lifespan Nutrition	3	BIOL 2340	Human Anatomy & Physiology I or	3
GLBL 2310	Cultural Immersion	3	BIOL 2180	Microbiology Lab	1
HIST 1311	History of World Civilizations to 1500	3	BIOL 2380	Microbiology	3
HIST 1312	History of World Civilizations since 1500	3	<i>No grade lower than a "C" will count toward fulfillment of Biology major requirements.</i>		
HUMA 2355	Foundations of the Humanities	3	Biology Required Support Courses		7
MUSI 2358	World Music	3	GEOL 1401	Physical Geology	4
PHIL 2315	Introduction to Philosophy	3	MATH 1306	College Algebra	3
LAB SCIENCE		8	MINOR IN CHEMISTRY		24
GEOL 1402	Historical Geology	4	CHEM 1410	General Chemistry I	4
PHYS 2411	General Physics I	4	CHEM 1420	General Chemistry II	4
PUBLIC SPEAKING		3	CHEM 3001	Lab Assistantship	0
COMM 1320	Public Speaking	3	CHEM 3400	Quantitative Analysis	4
MATHEMATICS		3	CHEM 3410	Organic Chemistry I	4
MATH 2303	Statistics	3	CHEM 3420	Organic Chemistry II	4
RESEARCH METHODS OR INTERNSHIP		2	CHEM 4191	Seminar	1
BIOL 2170	Research Methods	1	CHEM 4300	Safety in the Academic Laboratory	3
BIOL 2171	Research Methods	1	MINOR IN PEDAGOGY (SECONDARY LEVEL CERTIFICATION)		27
SOCIAL SCIENCE – SELECT ONE		3	EDUC 3315	Students and Learning	3
PSYC 1301	General Psychology	3	EDUC 4324	Classroom Management	3
PSYC 2399	Child and Adolescent Development	3	EDUC 4328	Curriculum Design	3
US HISTORY OR US GOVERNMENT – SELECT ONE		3	EDUC 4385	Educational Internship	3
HIST 2311	American History to 1877	3	READ 4326	Disciplinary Literacy	3
HIST 2312	American History since 1877	3	EDUC 4250	Certification Preparation Seminar	2
POLS 2305	United States Government	3	EDUC 4501	Student Teaching I	5
POLS 2306	Texas State and Local Government	3	EDUC 4502	Student Teaching II	5
CLASSROOM TECHNOLOGY		3	Total Hours		
EDUC 2311	Classroom Technology	3	Academic Core for B.S.		49
FRESHMAN SEMINAR		1	Global Emphasis – Study Abroad		3
UMHB 1101	Freshman Seminar	1	B.S. Biology Major Required Courses		36
GLOBAL EMPHASIS – STUDY ABROAD		3	Biology Required Support Courses		7
	Study Abroad	3	Minor in Chemistry		24
CHAPEL – 1 to 4 credits			Minor in Pedagogy (Secondary Level Certification)		27
UMHB 1002	Chapel		Total hours required for graduation		146
Fine Arts Experience – 2 to 8 credits			Additional Graduation Requirements		
UMHB 1005	Fine Arts Experience		Minimum Upper Level hours		36
			Minimum hours taken at UMHB		30
			Minimum Upper Level hours taken at UMHB		24
			Minimum cumulative GPA		2.75