

BACHELOR OF SCIENCE- BIOLOGY

Ecology/Microbiology/Aquatic & Marine Biology Specialization
2019-2020

Year 1	Semester 1 Fall	Semester 2 Spring	Summer	Total		
	BIOL 1306 & BIOL 1106 Biology for Science Majors I & Lab I	4	BIOL 1307 & BIOL 1107 Biology for Science Majors II & Lab II	4		
	CHEM 1311 & CHEM 1111 General Chemistry I & Lab I	3	CHEM 1312 & CHEM 1112 General Chemistry II & Lab II	4		
	HIST 1301 or POLS 2305	3	MATH 2413 Calculus I	4		
	WRIT 1301 Composition I	3	WRIT 1302 Composition II	3		
	PSYC 1100 Learning Frameworks	1				
	Semester Hours	15		15	0	30
Year 2	Semester 1 Fall	Semester 2 Spring	Summer	Total		
	CHEM 2323 & 2123 Organic Chemistry I & Lab I	4	BIOL 2321 & BIOL 2121 Microbiology for Science Majors & Lab	4		
	HIST 1301 or POLS 2305	3	CHEM 2325 & CHEM 2125 Organic Chem II & Lab II	4		
	US History I or Federal Government	3	HIST 1302 or POLS 2306	3		
	COMM 1315 Public Speaking	3	US History II or Texas Government	3		
	PHYS 1301 & PHYS 1101 College Physics I & Lab I	4	PHYS 1302 & PHYS 1102 College Physics II & Lab II	4		
	Semester Hours	14		15	0	29

Year 3	Semester 1 Fall	Semester 2 Spring	Summer	Total		
	BIOL 2428 or 3313 & 3113 or 4313/4113 Anatomy & Lab Core	4	Two of BIOL 3311, 4325, 4314 4334, 4349 Specialization Major Requirement	3-4		
	BIOL 4341 & 4242 Biochemistry I & Lab	5	BIOL 4343 or BIOL 4344 (summer only) Physiology Major Requirement	3		
	HIST 1302 or POLS 2306 US History II or Texas Government	3	STAT 3308 Computational Statistics	3		
	BIOL 3333 Environmental Biology	3	WRIT 3315 Technical Writing	3		
			BIOL 4311 Ecology	3		
	Semester Hours	15		15-16	0	30-31
Year 4	Semester 1 Fall	Semester 2 Spring	Summer	Total		
	Two of BIOL 3311, 4325, 4314, 4334, 4349 Specialization Major Requirement	3-4	BIOL 4278 Biology Seminar	2		
	BIOL 3341 & BIOL 3141 Molecular Genetics & Lab	4	CORE Creative Arts	3		
	BIOL 4323 Field Biology	3	CORE Language, Philosophy & Culture	3		
	CORE Social Behavioral Science	3	3000-4000 level Approved Major Elective	3		
	3000-4000 level Approved Major Elective *	3	3000-4000 level Approved Major Elective	3		
			3000-4000 level Approved Major Elective	1		
	Semester Hours	16-17		15	0	31-32
	Total Plan Hours					120

* Choose from BIOL 4327, 3335, 4305, 4361, 4347, 4253, 4391, 4189, 4289, 4389, x2xx, x3xx or other class as approved by faculty advisor

- State of Texas Core Curriculum Course. Please refer to the 2016-2017 UHCL Undergraduate Catalog (www.uhcl.edu/catalog) for approved options.
- This document is only intended as a guide. Please see an academic advisor for assistance with academic planning.