

BS-BIOLOGYCellular/Molecular/Biotechnology Specialization
2018-2019

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	4	CHEM 1312 & CHEM 1112 General Chemistry II & Lab II	4		
	HIST 1301 or POLS 2305 US History I or Federal Government	3	HIST 1302 or POLS 2306 US History II or Texas Government	3		
	WRIT 1301 Composition I	3	WRIT 1302 Composition II	3		
	PSYC 1100 Learning Frameworks	1				
	Semester Hours	15		14	0	29
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 US History I or Federal Government	3	CHEM 2325 & CHEM 2125 Organic Chemistry II & Lab II	4		
	MATH 2413 Calculus I	4	HIST 1302 or POLS 2306 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	15		15	0	30

Year 3	Semester 1 Fall	Semester 2 Spring	Summer	Total		
	BIOL 2428 or 3313 & 3113 (all offered in fall) or BIOL 3373 & 3173 (offered in spring only) Anatomy & Lab Major Requirement or Approved Major Elective *	4	BIOL 2428 or 3313 & 3113 (all offered in fall) or BIOL 3373 & 3173 (offered in spring only) Anatomy & Lab Major Requirement or Approved Major Elective *	4		
	BIOL 3341 & BIOL 3141 Molecular Genetics & Lab	4	BIOL 4342 Biochemistry II	3		
	BIOL 4341 & BIOL 4242 Biochemistry I & Lab	5	BIOL 4351 Molecular Biology	3		
	WRIT 3315 Technical Writing	3	COMM 1315 Public Speaking	3		
			STAT 3308 Computational Statistics	3		
	Semester Hours	16		16	0	32
Year 4	Semester 1 Fall	Semester 2 Spring	Summer	Total		
	BIOL 4278 Biology Seminar	2	BIOL 4311 Ecology	3		
	BIOL 4347 Cellular Physiology	3	BIOL 4343, 4344, or 4345 Physiology Major Requirement	3		
	CORE Language, Philosophy & Culture	3	BIOL 4348 Developmental Biology	3		
	CORE Creative Arts	3	CORE Social Behavioral Sciences	3		
	3000-4000 level Approved Major Elective *	2	3000-4000 level Approved Major Elective *	1		
	3000-4000 level Approved Major Elective *	3				
	Semester Hours	16		13	0	29
	Total Plan Hours					120

* Choose from BIOL 4332, 4346, 4252, 4355, 4253, 4361, 4254, 4371, 4189, 4289, 4389, 4391, 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.

