

## BACHELOR OF SCIENCE- BIOLOGY

Cellular/Molecular/Biotechnology 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	4	CHEM 1312 & CHEM 1112 General Chemistry II & Lab II	4		
	HIST 1301 or POLS 2305 US History I or Federal Government	3	MATH 2413 Calculus I	4		
	WRIT 1301 Composition I	3	WRIT 1302 Composition II	3		
	PSYC 1100 Learning Frameworks	1				
	<b>Semester Hours</b>	<b>15</b>		<b>15</b>	<b>0</b>	<b>30</b>
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		
	COMM 1315 Public Speaking	3	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		
	<b>Semester Hours</b>	<b>14</b>		<b>15</b>	<b>0</b>	<b>29</b>

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) 4 Anatomy & Lab Major Requirement or Approved Major Elective *	BIOL 2428 or 3313 & 3113 (all offered in fall) or BIOL 3373 & 3173 (offered in spring only) 4 Anatomy & Lab Major Requirement or Approved Major Elective *		
	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	HIST 1302 or POLS 2306 US History II or Texas Government 3		
		STAT 3308 Computational Statistics 3		
	<b>Semester Hours</b> 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			
	<b>Semester Hours</b> 16	13		29
	<b>Total Plan Hours</b>			120

- State of Texas Core Curriculum Course. Please refer to the 2016-2017 UHCL Undergraduate Catalog ([www.uhcl.edu/catalog](http://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.