

COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Science, *Honors Biomedical Sciences

Four-Year Academic Map 2023-2024

YEAR 1	Semester 1 Fall			Semester 2 Spring			Total	
	HON 2301H	Human Situation: Antiquity (Discussion)	3	HON 2101H	The Human Situation: Modernity (Discussion)	1		
	ENGL 1370H OR ENGL 2360H	Human Situation: Antiquity (Lecture)	3	ENGL 2361H OR HON 2341H	The Human Situation: Modernity (Lecture)	3		
	MATH 2413 OR 2450H	Calculus I OR Accelerated Calculus I	4	MATH 2414 OR MATH 2451H	Calculus II OR Accelerated Calculus II	4		
	CHEM 1311H	Fundamentals of Chemistry**	3	CHEM 1312H	Fundamentals of Chemistry 2**	3		
	BIOL 1306H	Biology for Science Majors I	3	CHEM 1112H	Fundamentals of Chemistry II Lab**	1		
	BIOL 1106	Biol for Science Majors I (lab)	1	BIOL 1307H	Biology for Science Majors II	3		
				BIOL 1107	Biol for Science Majors II (lab)	1		
	Semester Hours		17	Semester Hours		16		33

YEAR 2	Semester 1 Fall			Semester 2 Spring			Total	
	PHYS 1301 OR PHYS 2325	College Physics I or University Physics I	3	PHYS 1302 OR PHYS 2326	College Physics II or University Physics II	3		
	PHYS 1101 OR PHYS 2125	College Physics I (lab) or University Physics I (lab)	1	PHYS 1102 OR PHYS 2126	College Physics II (lab) or University Physics II (lab)	1		
	MATH 3339	Statistics for the Sciences	3	BCHS 3304	General Biochemistry I	3		
	CHEM 2323H	Organic Chemistry I	3	CHEM 2325H	Organic Chemistry II	3		
	CHEM 2123	Organic Chemistry Lab I	1	CHEM 2125	Organic Chemistry Lab II	1		
	BIOL 3301	Mendelian and Population Genetics	3	BIOL 3324	Human Physiology	3		
	HON 3301H	Readings in Medicine & Society	3	PSYC 2301H	Intro to Psychology	3		
	Semester Hours		17	Semester Hours		17		34

YEAR 3	Semester 1 Fall			Semester 2 Spring			Total	
	GOVT 2305H	US Government	3	HIST 1302H	The U.S. Since 1877	3		
	Elective	Medicine & Society Elective	3	BIOL 4374 OR BIOL 4320	Cell Biology OR Molecular Biology	3		
	Elective	Medicine & Society Elective	3	BIOL 3311	Adv Mthds/Writing Genetics Lab	3		
	CORE	Core Creative Arts	3	Elective	Medicine & Society Elective	3		
	HIST 1301H	The U.S. to 1877	3					
	Semester Hours		15	Semester Hours		12		27

YEAR 4	Semester 1 Fall			Semester 2 Spring			Total	
	HON 3396H OR 3399H	Senior Research Project or Senior Honors Thesis	3	HON 4396H OR 4399H	Senior Research Project or Senior Honors Thesis	3		
	CHEM 4370 OR CHEM 4373	Physical Chemistry I OR Survey of Physical Chemistry	3	BCHS 3201	Biochemistry I Laboratory	2		
	Elective	Medicine & Society Elective	3	BCHS 3305	General Biochemistry II	3		
	GOVT 2306H	US/Texas Constitution and Politics	3	Elective	Biology or Biochemistry Elective	3		
				Elective	Biology or Biochemistry Elective	3		
	Semester Hours		12	Semester Hours		14		26
						120		

*Courses marked with an H must be taken in an Honors section, and all STEM courses must be taken at the University of Houston (AP and Dual Credit will not be accepted for STEM courses).

**Must be completed with a grade of C- or higher for CHEM 1111 credit to be earned.