

BS-Biological Sciences-Pre-PT-Emphasis: BA/BS BSCI

Core Curriculum Courses

See the Core Curriculum Requirements (<https://coursecatalog.tamuc.edu/undergrad/core-curriculum-requirements/>) 42

Required courses in the major 33

BSC 1406	Introductory Biology I	4
BSC 1407	Introductory Biology II	4
BSC 303	Cell Biology	4
BSC 304	Genetics	4
BSC 305	General Physiology	4
BSC 306	Applied Microbiology	4
BSC 307	Ecology	3
BSC 401	Research Literature and Seminar	3
BSC 412	Fundamentals of Biostatistics	3

Required Support Courses 23

CHEM 1311	General and Quantitative Chemistry I *	
CHEM 1111	General and Quantitative Chemistry Laboratory I	1
CHEM 101	General Chemistry Tutorial I	1
CHEM 1312	General and Quantitative Chemistry II *	
CHEM 1112	General and Quantitative Chemistry Laboratory II	1
CHEM 102	General Chemistry Tutorial II	1
CHEM 2323	Organic Chemistry I	3
CHEM 2123	Organic Chemistry Laboratory I	1
CHEM 2325	Organic Chemistry II	3
CHEM 2125	Organic Chemistry Laboratory II	1
PHYS 1401	College Physics I	4
or PHYS 2425	University Physics I	
PHYS 1402	College Physics II	4
or PHYS 2426	University Physics II	

Plus 6 sequential sh from:

MATH 1314	College Algebra *	
MATH 2312	Pre-Calculus *	
MATH 2413	Calculus I *	
MATH 2414	Calculus II *	

Plus one course from:

HHPH 331	Nutrition *	
or PSY 2301	Introduction to Psychology	

Advanced Courses Required 22

CHEM 314	General Biochemistry	3
BSC 431	Eukaryotic Cell Biology	3
BSC 420	Immunology	3
BSC 426	Fundamentals of Human Anatomy	4
BSC 256	Medical Terminology	3
HHPK 450	Exercise Physiology	4
HHPK 451	Topics in Exercise Science	4

Total Hours 120

* This course should be used to satisfy the Core Curriculum Requirements.

First Year

Fall	Hours	Spring	Hours
ENG 1301		3 ENG 1302	3
BSC 1406		4 BSC 1407	4
CHEM 1311		3 CHEM 1312	3
CHEM 1111		1 CHEM 1112	1
CHEM 101		1 CHEM 102	1
MATH 1314		3 MATH 2312	3
		Component Area	3
	15		18

Second Year

Fall	Hours	Spring	Hours
HIST 1301		3 HIST 1302	3
Creative Arts		3 BSC 256	3
BSC 303		4 BSC 304	4
CHEM 2323		3 CHEM 2325	3
CHEM 2123		1 CHEM 2125	1
	14		14

Third Year

Fall	Hours	Spring	Hours
PSCI 2305		3 PSCI 2306	3
Language, Philosophy, & Culture		3 PHYS 1402	4
HHPH 331 or PSY 2301		3 CHEM 314	3
PHYS 1401		4 BSC 306	4
BSC 305		4	
	17		14

Fourth Year

Fall	Hours	Summer	Hours
BSC 307	3	BSC 401	3
BSC 426	4	BSC 431	3
HHPK 450	4	HHPK 451	4
BSC 412 or MATH 453	3	BSC 420	3
		BSC 412 or MATH 453	3
	14		16

Total Hours: 122