

# BS-Biology-Pre-Optometry-Emphasis: BA/BS BSCI

## Core Curriculum Courses

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

## Required courses in the major 30

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

## Required support courses 26

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	
SOC 1301	Introduction to Sociology *	

Plus 6 sequential sh from:

MATH 1314	College Algebra *	
MATH 2312	Pre-Calculus *	
MATH 2413	Calculus I *	
MATH 2414	Calculus II	4

Plus one course from:

BSC 412	Fundamentals of Biostatistics	
MATH 453	Essentials of Statistics	

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 492	Developmental Biology	3
BSC 426	Fundamentals of Human Anatomy	4
BSC 428	Introductory Medical Microbiology	3
BSC 425	Fundamentals of Neuroscience	3
BSC 498	Health Professions Internship	3

**Total Hours 120**

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