

# Pre-Medical (Biological Sciences Major)

## Core Curriculum Courses

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

## Required courses in the major

BSC classes in Specialization Area (Adv) 18

BSC 1406	Introductory Biology I	4
BSC 1407	Introductory Biology II	4
BSC 111		1
BSC 301		3
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	1

## Required support courses

CHEM 101	General Chemistry Tutorial I	1
CHEM 102	General Chemistry Tutorial II	1
CHEM 1311	General and Quantitative Chemistry I *	
CHEM 1111	General and Quantitative Chemistry Laboratory I	1
CHEM 1312	General and Quantitative Chemistry II *	
CHEM 1112	General and Quantitative Chemistry Laboratory II	1
CHEM 201	Organic Chemistry Tutorial I	1
CHEM 202	Organic Chemistry Tutorial II	1
CHEM 2323 & CHEM 2123	Organic Chemistry I and Organic Chemistry Laboratory I	4
CHEM 2325 & CHEM 2125	Organic Chemistry II and Organic Chemistry Laboratory II	4
CHEM 314	General Biochemistry	3
PHYS 1401	College Physics I	4
PHYS 1402	College Physics II	4

Plus 6 Sequential sh from:

MATH 1314	College Algebra *	
MATH 2312	Pre-Calculus	3
MATH 2413	Calculus I	
MATH 2414	Calculus II	

Plus one course from: 3-4

MATH 453	Essentials of Statistics	
PSY 302	Statistics and Research Design I	
BSC 412	Fundamentals of Biostatistics	

**Total Hours** 123-124

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