

# Pre-Medical (Chemistry Major and Second Major in Biology)

## Core Curriculum Courses

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

## Required courses in the major

CHEM 101	General Chemistry Tutorial I	1
CHEM 102	General Chemistry Tutorial II	1
CHEM 1111	General and Quantitative Chemistry Laboratory I	1
CHEM 1112	General and Quantitative Chemistry Laboratory II	1
CHEM 1311	General and Quantitative Chemistry I	3
CHEM 1312	General and Quantitative Chemistry II	3
CHEM 201	Organic Chemistry Tutorial I	1
CHEM 2123	Organic Chemistry Laboratory I	1
CHEM 2125	Organic Chemistry Laboratory II	1
CHEM 2323	Organic Chemistry I	3
CHEM 2325	Organic Chemistry II	3
CHEM 340	Quantitative & Instrumental Analysis	4
CHEM 351	Physical Chemistry	4
CHEM 401	GLB/Chemical Sci & Profession	1
CHEM 414	Biochemistry	4
CHEM 418	Undergraduate Research (also satisfied by CHEM 490 and CHEM 491)	2
CHEM 441	Instrumental Analysis	4
BSC 1406	Introductory Biology I *	
BSC 1407	Introductory Biology II *	
BSC 303	Cell Biology	4
BSC 304	GLB/Genetics	4
BSC 305	General Physiology	4
BSC 306	Applied Microbiology	4
BSC 307	Ecology	3
BSC (Adv)		3
Advanced CHEM courses (excluding CHEM 371, CHEM 397, CHEM 490, CHEM 491 & CHEM 497, unless departmental approval granted)		7
<b>Required support courses</b>		
MATH 2413	Calculus I *	
MATH 2414	Calculus II	4
PHYS 2425	University Physics I	4
PHYS 2426	University Physics II	4
<b>Other requirement</b>		
Stat Elective		3
<b>Total Hours</b>		<b>124</b>

\* These courses will satisfy the Core Curriculum Requirements in Natural Sciences and Mathematics. A grade of "C" or higher must be earned in all courses in this Major.