

SUGGESTED FOUR-YEAR SCHEDULE: 2023-24

B.S. in Biological Science Pre-Optometry Emphasis



COLLEGE OF
**Science and
Engineering**
A&M-COMMERCE

First Year Fall Semester

*ENG 1301, College Reading & Writing	3
BSC 1406 & 1406L, Introductory Biology I	4
*CHEM 1311, Gen & Quant Chemistry I	3
CHEM 1111, Gen & Quant Chemistry I Lab	1
CHEM 101, Gen & Quant Chemistry I Tutorial	1
*MATH 1314, College Algebra	3

Total Hours 15

First Year Spring Semester

*ENG 1302, Written Argument/Research	3
BSC 1407 & 1407L, Introductory Biology II	4
*CHEM 1312, Gen & Quant Chemistry II	3
CHEM 1112, Gen & Quant Chemistry II Lab	1
CHEM 102, Gen & Quant Chemistry II Tutorial	1
*MATH 2312, Pre-Calculus	3
*Component Area	3

Total Hours 18

Second Year Fall Semester

*HIST 1301, US History to 1877	3
SOC 1301, Introduction to Sociology	3
BSC 303 & 303L, Cell Biology	4
CHEM 2323, Organic Chemistry I	3
CHEM 2123, Organic Chemistry I Lab	1

Total Hours 14

Second Year Spring Semester

*HIST 1302, US History from 1865	3
*Creative Arts	3
BSC 304 & 304L, GLB/Genetics	4
CHEM 2325, Organic Chemistry II	3
CHEM 2125, Organic Chemistry II Lab	1

Total Hours 14

Third Year Fall Semester

*PSCI 2305, U.S. Government & Politics	3
*Language, Philosophy, & Culture	3
HHPH 331, Nutrition	
or PSY 2301, Introduction to Psychology	3
PHYS 1401 & 1401L, College Physics I	4
BSC 305 & 305L, General Physiology	4

Total Hours 17

Third Year Spring Semester

*PSCI 2306, Texas Government & Politics	3
PHYS 1402 & 1402L, College Physics II	4
CHEM 314, Biochemistry	3
BSC 306 & 306L, Applied Microbiology	4

Total Hours 14

Fourth Year Fall Semester

BSC 307, Ecology	3
BSC 426, Fundamentals of Human Anatomy	4
BSC 492, Developmental Biology	3
BSC 428, Introduction to Medical Microbiology	3

Total Hours 13

Fourth Year Spring Semester

BSC 401, Research Literature & Seminar	3
BSC 431, Eukaryotic Cell Biology	3
BSC 498, Health Professions Internship	3
BSC 427, Fundamentals of Neuroscience	3
BSC 412, Quantitative Biology	
or MATH 453, Essentials of Statistics	3

Total Hours 15

Degree Total 120

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

To apply for early admission to JAMP: 27 hours must be completed in the first year. This includes 2 semesters of General Chemistry

The suggested plan shown is subject to change. Please check the current Undergraduate Catalog (catalog.tamuc.edu) for required courses in your program.