

# BS-Biological Sciences-Pre-Med-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 20

|              |                                                  |   |
|--------------|--------------------------------------------------|---|
| 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 *     |  |

Plus one course from:

|          |                              |  |
|----------|------------------------------|--|
| HHPH 331 | Nutrition *                  |  |
| PSY 2301 | Introduction to Psychology * |  |

## Advanced Courses Required 28

|          |                                   |   |
|----------|-----------------------------------|---|
| CHEM 314 | General Biochemistry              | 3 |
| BSC 431  | Eukaryotic Cell Biology           | 3 |
| BSC 419  | Gene Control                      | 3 |
| BSC 426  | Fundamentals of Human Anatomy     | 4 |
| BSC 428  | Introductory Medical Microbiology | 3 |
| BSC 498  | Health Professions Internship     | 3 |

Plus 6-7 sch from:

|         |                                                        |  |
|---------|--------------------------------------------------------|--|
| BSC 493 | SEA-PHAGES II: Molecular and Bioinformatics Techniques |  |
| BSC 420 | Immunology                                             |  |
| BSC 424 | SEA-PHAGES I: Discovery of Bacteriophages              |  |

Plus 3 sch from:

123

\*

### First Year

**Fall**

Delete This Text

0

**Total Hours: 0**