

# B.S. IN BIOLOGY, HUMAN BIOLOGICAL SCIENCES

## REQUIRED MAJOR COURSES (C- OR BETTER)

### BIOLOGY/MICROBIOLOGY CORE COURSES—ALL REQUIRED

- \_\_\_\_\_ BIOB 160N/161N—Principles of Living Systems/Lab (3/1) - autumn, summer
- \_\_\_\_\_ BIOB 170N/171N—Principles of Biological Diversity/Lab (3/2) - spring
- \_\_\_\_\_ BIOB 260—Cell and Molecular Biology (4) - autumn, summer
- \_\_\_\_\_ BIOB 272—Genetics and Evolution (4) - spring

### HUMAN BIOLOGY MAJOR COURSES—ALL REQUIRED

- \_\_\_\_\_ BIOB 301—Developmental Biology (3) - autumn
- \_\_\_\_\_ BIOB 375—General Genetics (3) - spring
- \_\_\_\_\_ BIOH 365/366—Human A&P I for Health Prof. & Lab (3/1) - autumn
- \_\_\_\_\_ BIOH 370/371—Human A&P II for Health Prof. & Lab (3/1) - spring
- \_\_\_\_\_ BIOM 360—General Microbiology (3) - autumn, summer

### BIOCHEMISTRY—CHOOSE BASIC OR ADVANCED

BASIC: BCH 380—Biochemistry (4) - autumn, spring

ADVANCED: BCH 480—Adv. Biochemistry I (3) - autumn  
BCH 482—Adv. Biochemistry II (3) - spring

### HUMAN BIOLOGY DEPTH—CHOOSE AT LEAST TWO COURSES FROM THE FOLLOWING

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| _____ BCH 486—Biochemistry Research Lab (3) - spring       | _____ BIOH 405—Hematology (3) - autumn                      |
| _____ BIOB 410—Immunology (3) - autumn                     | _____ BIOH 447—Genes & Development Lab (3) - odd spring     |
| _____ BIOB 425—Adv. Cell & Molec. Bio (3) - spring         | _____ BIOH 462—Princ. of Med. Physiology (3) - intermittent |
| _____ BIOB 435—Comparative Animal Physiology (3) - spring  | _____ BIOM 402—Pathogenic Microbes (3) - spring             |
| _____ BIOB 468—Endocrinology (3) - intermittent            | _____ BIOM 410—Microbial Genetics (3) - even spring         |
| _____ BIOB 483—Phylogenetics & Evoln (3) - even autumn     | _____ BIOM 420—Host-Microbe Interactions (3) - intermittent |
| _____ BIOB 486—Genomics (3) - spring                       | _____ BIOM 427/428—Parasitology/Lab (4) - autumn            |
| _____ BIOB 499—Senior Thesis - any semester                | _____ BIOM 435—Virology (3) - spring                        |
| _____ BIOE 403—Comparative Vertebrate Anatomy (4) - inter. | _____ BIOM 450—Microbial Physiology (3) - odd autumn        |
| _____ BIOE 406—Behavior & Evolution (3) - odd autumn       |   |

## REQUIRED COURSES OUTSIDE OF THE MAJOR (C- OR BETTER)

### CALCULUS—CHOOSE ONE OF THE FOLLOWING

\_\_\_\_\_ M162—Applied Calculus (4) - autumn, spring, summer

\_\_\_\_\_ M171—Calculus I (4) - autumn, spring

### STATISTICS, PSYCHOLOGY, & PHYSICS—ALL REQUIRED

- \_\_\_\_\_ STAT 216—Intro to Statistics (4) - autumn, spring, summer
- \_\_\_\_\_ PSYX 100S—Introduction to Psychology (3) - autumn, spring, summer
- \_\_\_\_\_ PHSX 205N/206N—College Physics I/Lab (4/1) - autumn, spring, summer [or PHSX 215N/216N]
- \_\_\_\_\_ PHSX 207N/208N—College Physics II/ Lab (4/1) - autumn, spring, summer [or PHSX 217N/218N]

### CHEMISTRY—CHOOSE INTRO OR ADVANCED SEQUENCE

INTRO: CHMY 121N—Intro General Chemistry (4)  
CHMY 123/124—Intro Organic/Biochem (4/2)  
(all offered autumn, spring)

ADVANCED: CHMY 141N/142N—Coll. Chem I/Lab (4/1) – aut, spr  
CHMY 143N/144N—Coll. Chem II/Lab (4/1) – spr, sum  
CHMY 221/222—Organic Chem I /Lab (3/2) - autumn  
CHMY 223/224—Organic Chem II /Lab (3/2) - spring