

B.S. IN MICROBIOLOGY

2019/2020 CATALOG

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, summer
- _____ BIOB 260—Cell and Molecular Biology (4) - autumn, summer
- _____ BIOB 272—Genetics and Evolution (4) - spring

MICROBIOLOGY MAJOR COURSES—ALL REQUIRED

- _____ BIOM 360/361—General Microbiology/Lab (3/2) - autumn
- _____ BIOM 410/411—Microbial Genetics/Lab (3/1) - spring
- _____ BIOM 415—Microbial Diversity, Ecology, & Evolution (3) - spring
- _____ BIOM 450/451—Microbial Physiology/Lab (3/1) - autumn

BIOCHEMISTRY—CHOOSE BASIC OR ADVANCED SEQUENCE

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

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

*BCH 482—Adv. Biochemistry II (3) - spring

MICROBIOLOGY DEPTH—CHOOSE 10 OR 12 CREDITS FROM THE FOLLOWING (10 IF BCH 480-482; 12 IF BCH 380); LABS REQUIRED

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| *BIOB 410/411—Immunology/Lab (3/2) - autumn | BIOM 407/408—Clinical Diagnosis (2/1) - spring |
| *BIOB 483—Phylogenetics & Evoln (3) - odd spring (S21) | BIOM 427/428—Parasitology/Lab (2/2) - autumn |
| BIOE 370—General Ecology (3) - autumn | BIOM 435—Virology (3) - spring |
| BIOH 405—Hematology (3) - autumn | BIOM 490—Advanced Undergrad Research |
| *BIOM 402/403—Med Bacteriology/Lab (3/2) - spring | BIOM 491—Host-Microbe Inter. (3) - spring [DW substitution] |

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

CALCULUS—CHOOSE ONE OF THE FOLLOWING

MI62—Applied Calculus (4) - autumn, spring

M171—Calculus I (4) - autumn, spring

STATISTICS—REQUIRED

- _____ STAT 216—Intro to Statistics (4) - autumn, spring, summer

CHEMISTRY—ALL REQUIRED

- _____ CHMY 141N/142N—College Chemistry I/Lab (4/1) - autumn, spring
- _____ CHMY 143N/144N—College Chemistry II/Lab (4/1) - spring, summer
- _____ CHMY 221/222—Organic Chemistry I/Lab (3/2) - autumn
- _____ CHMY 223/224—Organic Chemistry II/Lab (3/2) - spring
- _____ CHMY 311—Analytical Chemistry (4) - autumn

PHYSICS—ALL REQUIRED

- _____ 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]

***ADVANCED COLLEGE WRITING REQUIREMENT MET WITH BIOM 411 (REQUIRED), AND ONE COURSE MARKED WITH ***