## B.S. IN BIOLOGY, CELLULAR & MOLECULAR BIOLOGY OPTION
### 2020/2021 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

#### CELLULAR & MOLECULAR MAJOR COURSES—ALL REQUIRED
- BCH 480—Advanced Biochemistry I (3) - autumn
- BCH 482—Advanced Biochemistry II (3) - spring
- BIOB 301—Developmental Biology (3) - autumn
- BIOB 375—General Genetics (3) - spring
- BIOB 425—Advanced Cell & Molecular Biology (3) - spring
- BIOM 360/361—General Microbiology/Lab (3/2) - autumn

#### DISEASE ELECTIVE—CHOOSE ONE OF THE FOLLOWING
- *BIOB 410—Immunology (3) - autumn
- BIOM 435—Virology (3) - spring

#### CELLULAR & MOLECULAR DEPTH—CHOOSE ONE OF THE FOLLOWING
- BIOB 468—Endocrinology (3) - intermittent (S21)
- *BIOB 483—Phylogenetics & Evoln (3) - odd spring (S21)
- BIOB 486—Genomics (3) - autumn
- BIOL 435—Comp Animal Physiology (3) - spring
- *BIOO 433/434—Plant Physiology/Lab (4) - spring

#### LABORATORY EXPERIENCE—CHOOSE TWO OF THE FOLLOWING
- *BCH 486—Biochem Research Lab (3) - spring
- *BIOB 411—Immunology Lab (2) - autumn
- *BIOM 411—Microbial Genetics Lab (1) - spring

#### 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, summer

#### PHYSICS—ALL REQUIRED
- PHSX 205N/206N—College Phys s I/Lab (4/1) - autumn, spring, summer [or PHSX 215N/216N]
- PHSX 207N/208N—College Phys II/ Lab (4/1) - autumn, spring, summer [or PHSX 217N/218N]

#### 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

#### CHEMISTRY DEPTH—CHOOSE AT LEAST ONE OF THE FOLLOWING
- CHMY 311—Analytical Chemistry (4) - autumn
- CHMY 373—Physical Chemistry (4) - autumn

*ADVANCED COLLEGE WRITING REQUIREMENT MET WITH BCH 482, BIOB 425 (BOTH REQUIRED), AND ONE COURSE MARKED WITH *