

## BIOCHEMISTRY (BCMB) MAJOR - CHECKLIST

### SCIENCE PREREQUISITES (40 hr)

#### **Biology**

BIOL 1107/L (4) \_\_\_\_\_

BIOL 1108/L (4) \_\_\_\_\_

#### **Physics**

PHYS 1211/L (4) \_\_\_\_\_

PHYS 1212/L (4) \_\_\_\_\_

#### **Chemistry**

CHEM 1211/L or 1411/L(4) \_\_\_\_\_

CHEM 1212/L or 1412/L (4) \_\_\_\_\_

CHEM 2211/L (4) \_\_\_\_\_

CHEM 2212/L (4) \_\_\_\_\_

#### **Mathematics**

MATH 2250 (4) \_\_\_\_\_

MATH 2260 (4) \_\_\_\_\_

### MAJOR REQUIREMENTS (40 hr)

#### Major Courses (17-18 hr)

**BCMB 4010/H** (Biochemistry I: F, S\*) (4) \_\_\_\_\_

**BCMB 4020/H** (Biochemistry II, S) (3) \_\_\_\_\_

**BCMB 4110** (Physical Biochemistry, F) (3) \_\_\_\_\_

**BCMB 4120/H** (Human Biochemistry I, F) (4) \_\_\_\_\_

or **BCMB 3433** (Biology of Medicine, Cortona, Italy: Su) (4) \_\_\_\_\_

**BCMB 4200** (Biotechnology, S) (3) \_\_\_\_\_

or **BCMB 4130/H** (Human Biochemistry II, S) (3/4) \_\_\_\_\_

#### Major-Related Courses (11-12 hr)

**GENE 3200/H** (Genetics, A) (4) \_\_\_\_\_

**CBIO 3400** (Cell Biology, A) (4) \_\_\_\_\_

**BCMB 3600** (Genomics and Bioinformatics, S) (3) \_\_\_\_\_

or **MIBO 3500** (Microbiology, A) (3) \_\_\_\_\_

or **CBIO 3600** (Developmental Biology, Su, F) (4) \_\_\_\_\_

or **CBIO 4100** (Immunology, F, S) (3) \_\_\_\_\_

#### Independent Research (8 hr)

**BCMB 4960L/H** (Independent Research I, A) (4) \_\_\_\_\_

**BCMB 4970L/H** (Independent Research II, A) (4) \_\_\_\_\_

or

**BCMB 4950L/H** (VIP team-based research, 1-2 hr/semester) \_\_\_\_\_

#### Elective (1-3 hr)

Any upper division course (3000/4000 level) \_\_\_\_\_

\*F, Fall; S, Spring; Su, Summer; A, Anytime (including Summer)