

BIOCHEMISTRY (BMB) 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) _____

BCMB 4200 (Biotechnology, S) (3) _____

or **BCMB 4130** (Human Biochemistry II, S) (3) _____

or **BCMB 3433** (Biology of Medicine, Cortona, Italy: Su) (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, S) (4) _____

or **CBIO 4320** (Stem Cell Biology, S) (3) _____

Independent Research (8 hr)

BCMB 4960R (Independent Research I, A) (4) _____

BCMB 4970R (Independent Research II, A) (4) _____

or

BCMB 4965R (VIP team-based research, 1-2 hr/semester, A; 8 hrs total) _____

or

BCMB 4030L (Bioprocess Technology) F, S (4): for careers in Biotechnology) _____

BCMB 4960R (Independent Research I, A) (4); for 8 hrs total) _____

Elective (2-4 hr)

Any upper division course (3000/4000 level) _____

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