

BIOTECHNOLOGY SEQUENCE REQUIRED COURSES

BSC 420.xx Graduate Seminar in Biology
(Two different 1-hr seminars)

BSC 353 Biotechnology Lab. I DNA Techniques (3 hr)

BSC 354 Biotechnology Lab II Cell Biology Techniques (3 hr)

BSC 415 Advanced Cell Biology I (or BSC 466 Microbial Physiology) (3 hr each)

BSC 419 Molecular Biology of the Gene (or BSC 467 Microbial Genetics) (4 hr each)

BSC 450.45 Issues in Biotechnology (2 hr)

BIOTECHNOLOGY SEQUENCE ELECTIVE COURSES

BSC 329 Human Genetics (3 hr)

BSC 330 Biology of Algae (4 hr)

BSC 351 Cell Signaling & Regulation (3 hr)

BSC 355 Genomics & Bioinformatics (3 hr)

BSC 361 Microbial Pathogens (4 hr)

BSC 365 Bioenergy Plant/Microbe Biology & the Environment (3 hr)

BSC 370 Topics in Molecular & Cellular Biology (3 hr)

BSC 411 Confocal Microscopy in Biology (2 hr)

BIOTECHNOLOGY SEQUENCE ELECTIVE COURSES (CONT'D)

BSC 418 Biological Microscopy (4 hr)

BSC 420.37 Molecular & Cellular Biology Seminar (1 hr)

BSC 450.40 Advanced Immunology (3 hr)

BSC 490 Biostatistics (3 hr)

CHE 442 Proteins (3 hr)

CHE 444 Lipids (3 hr)

[See Graduate Catalog for specific hour requirements.](#)