

Curriculum Map
Suggested Course Sequence for Biotechnology Major
(With Current Curriculum Requirements)

Fall 1

ENG101: English I (3 cr)
BIO107: General Biology I: Introduction to Cell Functions (4 cr)
CHM121: Chemistry for Science and Engineering Students I (4 cr)
Humanities Elective (3 cr)
Social Science Elective (3 cr)
Total Credits: 17

Spring 1

ENG102: English II (3 cr)
BIO108: General Biology II: Diversity of Life on Earth (4 cr)
CHM124: Chemistry for Science and Engineering Students II (4 cr)
MTH104/108/113: Math (College Algebra, Precalculus OR Calculus) (4 cr)
Total Credits: 15

Fall 2

BIO106: Introduction to Biotechnology (4 cr)
Program Elective (4 cr)
BIO229: Microbiology (4 cr)
MTH142: Statistics (3 cr)
Total Credits: 15

Spring 2

BIO240: Cell Culture and Protein Purification (4 cr)
Program Elective (4 cr)
BIO113: Biotechnology Seminar (1 cr) or CRC101: Career-Readiness Competencies (1 cr)
Social Science Elective (3 cr)
Humanities Elective (3 cr)
Total Credits: 15

Total Credits: 62

Program Electives: Students may select 2 from the following¹:

BIO242 (Cell Biology), BIO243 (Genetics), CHM221 (Organic Chemistry I) AND CHM222 (Organic Chemistry II), MTH108 (Precalculus), MTH113 (Calculus I), PHS111 (Physics I) AND PHS112 (Physics II)

¹ Program electives should be selected with the transfer institution in mind