



The University of North Carolina at Pembroke

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RECOMMENDED DEGREE PATH

B.S. in Biotechnology

First Year

Fall Semester (14 semester hours)

FRS 1000 Freshman Seminar (1)
ENG 1050 Composition I (3)
MAT 1070* College Algebra (3)
BIO 1000* Principles of Biology (3)
BIOL 1000 Laboratory Investigations and
Experiences in General Biology (1)
General Education: Social Science (3)

Spring Semester (14 semester hours)

ENG 1060 Composition II (3)
CHM 1300* General Chemistry I (3)
CHM 1100* General Chemistry Laboratory I (1)
MAT 2210 Calculus I (4)
General Education: History (3)

Second Year

Fall Semester (15 semester hours)

MAT 2220 Calculus II (4)
CHM 1310 General Chemistry II (3)
CHM 1110 General Chemistry Laboratory II (1)
General Education: Literature (3)
General Education PED (1)
General Education Elective (3)

Spring Semester (15 semester hours)

BIO 3180 Principles of Genetics (4)
CHM 2270 Analytical Chemistry (4)
General Education: Philosophy or Religion (3)
General Education: Social Science (3)
General Education PED (1)

Third Year

Fall Semester (15 semester hours)

CHM 3110 Biochemistry (3)
CHM 3120 Experimental Methods in Biochemistry
(1)
BTEC 3220 Biotechnology I (4)
CHM 2500 Organic Chemistry I (4)
General Education: Social Science (3)

Spring Semester (16 semester hours)

BIO 3510 Research Strategies (3)
BIO 3710 Cell Biology (4)
BTEC Major Elective
PHY 1500 College Physics I (3)
General Education: Fine Arts (3)

Fourth Year

Fall Semester (16 semester hours)

BIO 3150 Microbiology (4)
BTEC Major Elective
PHY 1560 College Physics Lab I (1)
University-wide Elective
University-wide Elective

Spring Semester (15 semester hours)

BTEC 3510 Bioprocessing (3)
BTEC 4900 Internship (3)
BTEC Major Elective
University-wide Elective
University-wide Elective