

BS Degree in Biotechnology

Requirements for a Bachelor of Science Degree in Biotechnology	Sem. Hrs.
General Education Requirements*	44
Freshman Seminar	1
Major Requirements	49
BIO 100 Principles of Biology	3
BIO 100L Laboratory Investigations and Experiences in General Biology	1
BIO 315 Microbiology	4
BIO 323 Biotechnology II	4
BIO 351 Research Strategies	3
BIO 371 Cell Biology	4
BIO 472 Principles of Genetics	4
BIO 490 Internship/Co-Op	3
CHM 130 General Chemistry I	3
CHM 110 General Chemistry Laboratory I	1
CHM 131 General Chemistry II	3
CHM 111 General Chemistry Laboratory II	1
CHM 250 Organic Chemistry I	4
CHM 227 Analytical Chemistry	4
CHM 311 Biochemistry	3
CHM 312 Experimental Methods in Biochemistry	1
CHM 351 Bioprocessing	3
MAT 221 Calculus I	4
MAT 222 Calculus II	4
PHY 150 College Physics I	3
PHY 156 College Physics Lab I	1
Electives (choose 3 of the following 5 courses)	11-12
BIO 320 Developmental Biology	4
BIO 354 Plant Physiology	4
BIO 381 Immunology	3
CHM 331 Bioanalytical Chemistry	4
PHY 151,157 College Physics II, College Physics Lab II	4
Free Electives	14-15
TOTAL	120

* Students who plan a major in Biotechnology should request to talk to the program director or coordinator and consult with either one before registering for General Education courses. Twelve hours of General Education courses are listed separately above as specific required courses under sections II. C. and IV of the UNCP General Education Curriculum.