

# BS Degree in Biotechnology

(Jan 06)

<b>Requirements for a Bachelor of Science Degree in Biotechnology</b>		<b>Sem. Hrs.</b>
<b>General Education Requirements*</b>		<b>44</b>
Freshman Seminar		1
<b>Major Requirements</b>		<b>49</b>
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
<b>Electives (choose 3 of the following 5 courses)</b>		<b>11-12</b>
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
<b>Free Electives</b>		<b>14-15</b>
<b>TOTAL</b>		<b>120</b>

\* 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.