UNCP Department of Chemistry and Physics Requirements for a Bachelor of Science in Chemistry – Molecular Biotechnology Track (120 total credit hours)

res	hman Seminar ((1 credit hour)				
ene	eral Education (44 credit hours)*				
		CORE SCIENCE (COURSES -	– 55(53) total o	eredit hours	
		Chen	nistry - 30 c	credit hours		
	Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
	CHM 1100	General Chemistry I Lab	1	CHM 2500	Organic Chemistry I	3
	CHM 1110	General Chemistry II Lab	1	CHM 2520	Organic Chemistry I Lab	1
	CHM 1300	General Chemistry I	3	CHM 2510	Organic Chemistry II	3
	CHM 1310	General Chemistry II	3	CHM 2530	Organic Chemistry II Lab	1
	CHM 2260	Inorganic Chemistry	4	CHM 3980	Chemical Literature (WD)	2
	CHM 2270	Analytical Chemistry	4	CHM 4100	Physical Chemistry (WE)	4
	Mathematics – 14(12) credit hours			Physics*- 8 credit hours		
	Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
	MAT 1070 and MAT 1080 (or MAT 1090)	College Algebra and Plane Trigonometry OR Precalculus	6 <u>OR</u> 4	PHY 1500	College Physics I	3
	MAT 2210	Calculus I	4	PHY 1510	College Physics II	3
	MAT 2220	Calculus II	4	PHY 1560	College Physics I Lab	1
	Biol	ogy – 3 credit hours	PHY 1570	College Physics II Lab	1	
	Course Number	Course Title	Credit Hours	Physics* -	Physics * - <u>OR</u> PHY 2000, 2010, 2060, and 2070	
	BIO 1000	Biology	3			
	MOLI	ECULAR BIOTECHNOL	OGY TRAC	K (CMOL) – 3	32(34) credit hours	
	Advanced (Chemistry – 13 credit h	Other Courses – 19 (21) credit hours			
	Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
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	CHM 3110	Biochemistry I	3	BIO 3150	Microbiology	4
	CHM 3110 CHM 3120	Biochemistry I Biochemistry I Lab	3	BIO 3150 **PHY 3410		3
	CHM 3120 CHM 3210	·		**PHY 3410 Electives (*B'	-	
	CHM 3120 CHM 3210 CHM 3240	Biochemistry I Lab	1	**PHY 3410 Electives (*B'	Biophysics TEC 3220, BIO 3710, and	3
	CHM 3120 CHM 3210	Biochemistry I Lab Biochemistry II	3	**PHY 3410 Electives (*B'	Biophysics TEC 3220, BIO 3710, and	3

^{*} Twelve hours of General Education courses are listed separately above as specific core requirements. **WD: Writing in Discipline **WE: Writing Enriched