

UNCP Department of Chemistry and Physics
Requirements for a Bachelor of Science in Chemistry – Pre-Health Professions Track
(120 total credit hours)

Freshman Seminar (1 credit hour)							
General Education (44 credit hours)*							
CORE SCIENCE COURSES – 55(53) total credit hours							
Chemistry - 30 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 <u>OR</u> 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
Biology – 3 credit hours					PHY 1570	College Physics II Lab	1
	Course Number	Course Title	Credit Hours	Physics* - <u>OR</u> PHY 2000, 2010, 2060, and 2070			
	BIO 1000	Biology	3				
PRE-HEALTH PROFESSIONS TRACK (CMED) – 32 (34) credit hours							
Advanced Chemistry – 4 credit hours				Biology Courses – 25 credit hours			
	Course Number	Course Title	Credit Hours		Course Number	Course Title	Credit Hours
	CHM 3110	Biochemistry I	3		BIOL 1000	Biology Lab	1
	CHM 3120	Biochemistry I Lab	1		BIO 1020	General Zoology	4
					BIO 2110	Human Anatomy and Physiology I	4
					BIO 2120	Human Anatomy and Physiology II	4
Other Courses – 3 (5)					BIO 3150	Microbiology	4
	Electives (any area) – 3 (5)				BIO 3180	Principles of Genetics	4
					BIO 3710	Cell Biology	4

* Twelve hours of General Education courses are listed separately above as specific core requirements.

**** ONE ADDITIONAL WE OR WD COURSE IS REQUIRED. ****