

UNCP Department of Chemistry and Physics
Requirements for a Bachelor of Science in Chemistry - Professional 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 2000	University Physics I	3
	MAT 2210	Calculus I	4		PHY 2060	University Physics Lab I	1
	MAT 2220	Calculus II	4		PHY 2010	University Physics II	3
Biology – 3 credit hours					PHY 2070	University Physics Lab II	1
	Course Number	Course Title	Credit Hours				
	BIO 1000	Biology	3				
PROFESSIONAL TRACK (CHEM) – 32 (34) credit hours							
Advanced Chemistry – 20 credit hours				Other Requirements – 12 (14) credit hours			
	Course Number	Course Title	Credit Hours	Electives (any area) – 12 (14)			
	CHM 3110	Biochemistry I	3	Elective Course Number	Course Title	Credit Hours	
	CHM 3120	Biochemistry I Lab	1				
	CHM 3990	Research in Chemistry	4				
	CHM 4110	Physical Chemistry II	4				
	CHM 4260	Advanced Inorganic Chemistry	4				
	CHM 4270	Instrumental Analysis (WD)	4				

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

**WD: Writing in Discipline

**WE: Writing Enriched