

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 – 60 (58) total credit hours							
Chemistry - 38 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
* Add two (2) courses from the listed below *							
*	CHM 4110	Physical Chemistry II	4	*	CHM 4200	Forensic Chemistry	4
*	CHM 4260	Advanced Inorganic Chemistry	4	*	CHM 4270	Instrumental Analysis (WD)	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 OR 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
					PHY 1570	College Physics II Lab	1
					Physics* - OR PHY 2000, 2010, 2060, and 2070		
PRE-HEALTH PROFESSIONS TRACK (CMED) – 27 (29) credit hours							
Advanced Chemistry – 4 credit hours				Biology Courses – 23 credit hours			
	Course Number	Course Title	Credit Hours		Course Number	Course Title	Credit Hours
	CHM 3110	Biochemistry I	3		BIO 1000	Principles of Biology	3
	CHM 3120	Biochemistry I Lab	1		BIO 2110	Human Anatomy and Physiology I	4
					BIO 2120	Human Anatomy and Physiology II	4
					BIO 3150	Microbiology	4
Electives (any area) – 0 (2)					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 COURSE: WE / WD ARE REQUIRED.**
 - **TWO ICC DESIGNATED COURSES ARE REQUIRED** (one course for transfer students with more than 60 hours).
- NOTE: ICC courses applies only for the students beginning Fall 2022.**