

**UNCP Department of Chemistry and Physics**  
**Requirements for a Bachelor of Science in Chemistry - Professional Track**  
**(120 total credit hours)**

<b>Freshman Seminar (1 credit hour)</b>							
<b>General Education (44 credit hours)*</b>							
<b>CORE SCIENCE COURSES – 55(53) total credit hours</b>							
<b>Chemistry - 30 credit hours</b>							
	<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>		<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
	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
<b>Mathematics – 14(12) credit hours</b>				<b>Physics* - 8 credit hours</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>		<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>
	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
<b>Biology – 3 credit hours</b>					PHY 2070	University Physics Lab II	1
	<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>				
	BIO 1000	Biology	3				
<b>PROFESSIONAL TRACK (CHEM) – 32 (34) credit hours</b>							
<b>Advanced Chemistry – 20 credit hours</b>				<b>Other Requirements – 12 (14) credit hours</b>			
	<b>Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>	<b>Electives (any area) – 12 (14)</b>			
	CHM 3110	Biochemistry I	3	<b>Elective Course Number</b>	<b>Course Title</b>	<b>Credit Hours</b>	
	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. **Writing in Discipline (WD)** **Writing Enriched (WE)**
- **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.**