

**UNCP Department of Chemistry and Physics
Requirements for a Bachelor of Science in Chemistry - General
(122 total credit hours)**

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|---|---|---|----------------------|--|----------------------|------------------------|---------------------|
| Freshman Seminar (1 credit hour) | | | | | | | |
| General Education (44 credit hours)* | | | | | | | |
| CORE SCIENCE COURSES – 54(52) total credit hours | | | | | | | |
| Chemistry - 29 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 | 4 |
| | CHM 1110 | General Chemistry II Lab | 1 | | CHM 2510 | Organic Chemistry II | 4 |
| | CHM 1300 | General Chemistry I | 3 | | CHM 2980 | Scientific Literature | 1 |
| | CHM 1310 | General Chemistry II | 3 | | CHM 4100 | Physical Chemistry | 4 |
| | CHM 2260 | Inorganic Chemistry | 4 | | | | |
| | CHM 2270 | Analytical Chemistry | 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 | | | | |
| GENERAL TRACK (CHM) – 35(37) credit hours | | | | | | | |
| Advanced Chemistry – 4 credit hours | | | | Other Requirements – 31(33) credit hours | | | |
| | Course Number | Course Number | Course Number | Electives (any area) 31 (33) | | | |
| | CHM 4270 | Instrumental Analysis | 4 | Elective Course Number | Course Title | Credit Hours | |
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* Twelve hours of General Education courses are listed separately above as specific core requirements.