### B. S. Chemistry (CHM)

**College: Arts & Sciences**  
Biochemistry Option

Course requirements for all UNCW degrees include: (1) University Studies, (2) specific major requirements, and (3) sufficient elective hours for a combined total of a minimum of 124 hours.

#### MAJOR REQUIREMENTS - CHM (Minimum 76 hours)

**Core Courses:**
- **+**BIO 201 Principles of Biology: Cells (4)
- **+**CHM 101 General Chemistry I (4)
- **CHM 102** General Chemistry II (4) Prereq: CHM 101
- **CHM 211** Organic Chemistry I (3), Lab (1) Prerequisite: CHM 102
- **CHM 212** Organic Chemistry II (3), Lab (1) Prerequisite: CHM 211
- **CHM 235** Quantitative Analysis (3), Lab (1) Prereqs: CHM 101 and 102 with a grade of “C” or better in CHM 102
- **CHM 320** Physical Chemistry I (4), Lab (1) Prerequisites: CHM 102 with a grade of C or better and MAT 161, 162, PHY 101 or 201 with a grade of C- or better
- **CHM 321** Physical Chemistry II (3), Lab (1) Pre/Corequisites: CHM 320 and MAT 261
- **CHM 350** Introduction to Chemical Research (1) Pre/Corequisites: CHM 211 or 235, CHM majors only
- CHM 466 Biochemistry II (3) Prerequisite: CHM 365
- **CHM 365** Biochemistry I (3), Lab (2) Prerequisite: CHM 212
- **CHM 435** Instrumental Analysis (4) Prerequisites: CHM *235, *312 or *365, *320 and PHY 102 or 202
- **CHM 445** Inorganic Chemistry (3), Lab (1) Prerequisites: CHM 320 and 350
- **CHM 495** Senior Seminar (1) Pre/Corequisite: 25 hours of CHM courses, including CHM 350 (Meets Oral Communication Requirement)

**Collateral Courses:**
- **+**MAT 161 Calculus with Analytical Geometry I (4) Prerequisite: MAT 112 or 115 or equivalent preparation
- **MAT 162** Calculus with Analytical Geometry II (4) Prerequisite: MAT 161
- **MAT 261** Multivariate Calculus (4) Prerequisite: MAT 162 or MAT 361
- **MAT 335** Linear Algebra and Matrices (3) Prerequisite: MAT 162
- **+**PHY 101-102 Elementary College Physics I, II (4, 4) For 101: Coreq: MAT 111, For 102: Coreq: PHY 101

An overall GPA of “C” (2.00) is required in all chemistry courses counted toward the major.

**NOTE:** To satisfy the Applied Learning Requirement, a student must successfully complete at least one hour of CHM 491, 495, 498, or 499.

1 Students should arrange their work to take CHM *320 and *321 in the junior year.

*These courses require a lab
+May also be used to satisfy University Studies Foundations & Approaches and Perspectives requirements

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**Requirements to declare CHM:** Completion of 24 hours  
For further information, see the CHM website: [http://www.uncw.edu/chem/](http://www.uncw.edu/chem/) and [http://catalogue.uncw.edu/](http://catalogue.uncw.edu/)

This document is considered an unofficial guide. Please refer to your degree audit for the latest updates.

5/25/2015