MAJOR REQUIREMENTS – CSC Option 2 – Chemistry (Minimum 77 hours)

Core Courses: (55 hours)

- +CSC 131 Introduction to Computer Science (4) Prerequisite: MAT 111 or 115
- +CSC 133 Discrete Mathematical Structures (3) Prerequisite: MAT 111 or 115, or equivalent
- CSC 231 Introduction to Data Structures (4) Prerequisite: CSC 131 with a grade of “C” or better, Corequisite: CSC 133
- CSC 242 Computer Organization (3) Prerequisites: CSC 131 with a grade of “C” or better and 133
- CSC 331 Object-Oriented Programming and Design (3) Prerequisite: CSC 231 with a grade of “C” or better
- CSC 344 Computer Networks (3) Prerequisite: CSC 231 with a grade of “C” or better and CSC 242
- CSC 360 Formal Languages and Computability (3) Prerequisites: CSC 231 with a grade of “C” or better and 242
- CSC 380 Design and Analysis of Algorithms (3) Prerequisites: CSC 133, 231 with a grade of “C” or better, and MAT 161
- CSC 385 Professional and Ethical Issues in Computer Science (3) Prerequisites: ENG 101 or equivalent and junior/senior standing in computer science or information technology (Meets Oral Communication Requirement)
- CSC 434 Programming Languages (3) Prerequisites: CSC 331 with a grade of “C” or better and 360
- CSC 450 Software Engineering (3) Prerequisites: CSC 331 with a grade of “C” or better and senior standing (Meets Applied Learning Requirement)
- CSC 455 Database Design and Implementation (3) Prerequisite: CSC 331 with a grade of “C” or better (Meets Applied Learning Requirement)
- +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
- +BAN 280 Statistical Analysis for Business and Economics (3) Prerequisite: MAT 111
- or +STT 215 Introduction to Statistics (3) Prereq: Satisfactory performance on the UNCW math test or MAT 105
- CSC Choose 6 additional hours in CSC at the 300-400 level; must be approved by advisor.

Chemistry Concentration: (22 hours) Complete requirements for Chemistry minor

- +CHM 101 General Chemistry I (4)
- *CHM 102 General Chemistry II (4) Prerequisite: CHM 101
- *CHM 211 Organic Chemistry I (3), Lab (1) Prerequisite: CHM 102 with a grade of “C” or better
- *CHM 212 Organic Chemistry II (3), Lab (1) Prerequisite: CHM 211
- or *CHM 235 Quantitative Analysis (3), Lab (1) Prerequisite: CHM 101 and CHM 102 with a grade of “C” or better
- CHM Choose 6 additional hours in CHM at the 300-400 level

A grade point average of “C” (2.00) or better computed over the CSC courses and all the courses used to fulfill the requirements of the major are required.

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

Requirements to declare CSC: Completion of 24 hours

For further information, see the CSC website: http://www.uncw.edu/csc

This document is considered an unofficial guide. Please refer to your degree audit for the latest updates. 4/15/2019