B. S. Computer Science (CSC)

College: Arts & Sciences
Option 2: Biology Concentration

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 – CSC Option 2 – Biology (Minimum 76 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, Corequisite: CSC 133
- CSC 242  Computer Organization (3) Prerequisites: CSC 131 and 133
- CSC 331  Object-Oriented Programming and Design (3) Prerequisite: CSC 231
- CSC 344  Computer Networks (3) Prerequisite: CSC 242 and CSC 231
- CSC 360  Formal Languages and Computability (3) Prerequisites: CSC 231 and 242
- CSC 380  Design and Analysis of Algorithms (3) Prerequisites: CSC 133, 231, 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 and 360
- CSC 450  Software Engineering (3) Prerequisites: CSC 331 and senior standing (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
- +QMM 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.

Biology Concentration: (21 hours) Complete requirements for minor in Biology

- +BIO 201  Principles of Biology: Cells (4)
- +BIO 202  Principles of Biology: Biodiversity (4)
- BIO  Two courses selected from BIO 335 or 366, and one from 325 or 340 or 345 or both 240 and 241;
- BIO  7 additional hours in biology at the 300-400 level, one of which must be a lab course.
- BIO
- BIO

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 and http://catalogue.uncw.edu.

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

5/25/2015