B. S. Computer Science (CSC)
College: Arts & Sciences
Option 2: Statistics (STT) 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 – STT (Minimum 73 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)

_____ CSC 455  Database Design and Implementation (3) Corequisite: CSC 331
_____ +*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) Prerequisite: 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.

Statistics Concentration: (18 hours)

_____ +STT 215  Introduction to Statistics (3) Prerequisite: Satisfactory performance on the UNCW math test or MAT 105
_____ STT 305  Statistical Programming (3) Prerequisite: STT 215 or equivalent

_____ STT  Choose 12 additional hours in STT 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 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