B. S. Computer Science (CSC)

College: Arts & Sciences
Option 2: Business 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 120 hours.

MAJOR REQUIREMENTS – CSC Option 2 – Business (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
- **+STT 215** Introduction to Statistics (3) Prerequisite: Satisfactory performance on the UNCW math test or MAT 105

Choose 6 additional hours in CSC at the 300-400 level; must be approved by advisor.

**Business Concentration:** (22 hours)

- **+ACG 201** Financial Accounting (3), Lab (1) Pre/Corequisite: MAT 111, Corequisite: ACGL 201
- **ACG 203** Managerial Accounting (3) Prerequisite: ACG *201 and ACGL 201
- **+ECN 221** Principles of Economics — Micro (3) Prerequisite: MAT 111
- **+ECN 222** Principles of Economics — Macro (3) Prerequisite: ECN 221
- **FIN 335** Principles of Financial Management (3) Prerequisites: ACG 201, ECN 222, and BAN 280
- **MKT 340** Principles of Marketing (3) Prerequisite: Junior standing or admission to Cameron School of Business
- **MGT 350** Principles of Management (3) Prerequisite: Junior standing or admission to Cameron School of Business

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](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