

**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 <b>Oral Communication Requirement</b> )
_____	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 <b>Applied Learning Requirement</b> )
_____	CSC 455	Database Design and Implementation (3) Prerequisite: CSC 331 with a grade of “C” or better (Meets <b>Applied Learning Requirement</b> )
_____	+*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
_____	<u>or</u> +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.
_____	CSC _____	

**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>