MAJOR REQUIREMENTS – CSC Option 1 – Systems (Minimum 73 hours)

Core Courses:

___CSC 131 Introduction to Computer Science (4) Prereq: MAT 111, 115 or equivalent, or sufficient math placement
___+CSC 133 Discrete Mathematical Structures (3) Prereq: MAT 111, 115 or equivalent, or sufficient math placement
___CSC 231 Introduction to Data Structures (4) Prereq: CSC 131 with grade of “C” or better, Coreq: CSC 133
___CSC 242 Computer Organization (3) Prereq: CSC 131 with a grade of “C” or better, and 133
___CSC 331 Object-Oriented Programming and Design (3) Prereq: CSC 231 with a grade of “C” or better and 242
___CSC 340 Scientific Computing (3) Prereq: CSC 231 with a grade of “C” or better and MAT 162
___CSC 342 Operating Systems (3) Prereq: CSC 231 with a grade of “C” or better and 242
___CSC 360 Formal Languages and Computability (3) Prereq: CSC 231 with a grade of “C” or better and 242
___CSC 380 Design and Analysis of Algorithms (3) Prereq: CSC 133, 231 with grade of “C” or better, and MAT 161
___CSC 385 Professional and Ethical Issues in Computer Science (3) Prereq: ENG 101 or equivalent and junior/senior standing in computer science or information technology (Meets Oral Communication Requirement)
___CSC 434 Programming Languages (3) Prereq: CSC 331 with a grade of “C” or better and 360
___CSC 450 Software Engineering (3) Prereq: CSC 331 with a grade of “C” or better and senior standing (Meets Applied Learning Requirement)
___CSC 455 Database Design and Implementation (3) Prereq: CSC 331 with grade of “C” or better (Meets Applied Learning Requirement)

___CSC **Choose 9 additional hours of 300-400 level CSC courses approved by an advisor.

___MAT 161 Calculus with Analytical Geometry I (4) Prereq: MAT 112, 115 or equivalent, or sufficient math placement
___+MAT 162 Calculus with Analytical Geometry II (4) Prereq: MAT 161
___+STT 215 Introduction to Statistics (3) Prereq: Sufficient math placement or MAT 105 or equivalent.

**Choose 1 two-part sequence: PHY +*201 & +*202, or BIO +*201 & +*202, or CHM +*101 & +*102.

**Choose 1 additional course from the following: BIO +*201, +*202, +*240, CHM +*101, +*211, GLY +*101, +*120, PHY +*201. Do not choose one that is part of the two-course sequence.

An combined overall GPA of “C” (2.00) or better is required for all courses used to fulfill the requirements of the major.

*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.

5/11/2020