B. S. Computer Science (CSC)
College: Arts & Sciences
Option 2- Digital Arts

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 – Digital Arts (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 231 and 133
- CSC 331 Object-Oriented Programming and Design (3) Prerequisite: CSC 231
- CSC 344 Computer Networks (3) Prerequisite: 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) Prerequisite: CSC 331(Meets Applied Learning req.)
- +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
- or
- +STT 215 Introduction to Statistics (3) Prereq: 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.

**Digital Arts Concentration:** (24 hours) Complete requirements for Digital Arts Minor

*Note: ART 101 is a prerequisite for ART 260. ART 260 should also be taken before CIT 204 and before CSC 220 (ART220)(FST 220).*

- ART 101 Two-Dimensional Design (3) Studio Art majors and Digital Arts minors only or consent of instructor
- ART 260 Introduction to Graphic Design (3) Prerequisite: ART 101 or consent of instructor
- CIT 204 Digital Media (3) Prerequisite: CIT 110 or equivalent
- or
- CSC 112 Introduction to Computer Programming (3) Prereg: MAT 111 or 115
- or
- CSC 131 Introduction to Computer Science (4) Prereg: MAT 111 or 115
- or
- CSC 220 (ART, FST) 3-D Computer Graphics Tools & Literacy (3) Prereg: CSC 105, 131 or consent of instructor
- or
- CSC 320 (ART, FST) Computer Animation (3) Prerequisite: ART 220, CSC 220, FTS 220, or consent of instructor
- or
- COM 280 Introduction to Digital Media Production (3) Prerequisites: COM 105 or CM 160 Coreq: COML 280
- or
- FST 201 Introduction to Film Production (3) Prerequisite: FST 200 and FST major. Coreq: FST 205

- 6 hours of electives – at least 3 hours must be at the 300 level or above, and at least 3 elective must be chosen outside of the student’s major department.

- Major department: CSC 320, 370, 421, 430, 475, 491; ARH 201, 202, 206, 308, 386, ART 280, 282, 311, 312, 320, 341, 343, 360, 365, 382, 411, 412, 475, 491, 495, CIT 410, COM +160, +211, 286, 380, 387, 480, 482, 491, CRW 210, FST 220, 301, 302, 318, 320, 330, 331, 332, 333, 368, 392, 393, 394, 397, 398, 430, 495, 497, MUS 110, 210, 310, 491, THR 211, 305, 411.

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) and [http://catalogue.uncw.edu](http://catalogue.uncw.edu).

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