

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 120 hours.

MAJOR REQUIREMENTS – CSC Option 2 – Digital Arts (Minimum 79 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
<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 _____	

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

_____	+ARH 202	Renaissance Through Early Twentieth Century (3)
_____	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
_____	MIS 310	Web and Device Development Languages (3) Prerequisite: CIT 110 or MIS 213.
_____	CSC 112	Introduction to Computer Programming (3) Prereq: MAT 111 or 115
<u>or</u>	CSC 131	Introduction to Computer Science (4) Prereq: MAT 111 or 115
<u>or</u>	MIS 216	Introduction to Business Application Development (3)
<u>or</u>	MIS 316	Business Application Development (3) Prerequisite: MIS 216 or CSC 112 or CSC 131
_____	CSC/ART/FST 220	3-D Computer Graphics Tools & Literacy (3) Prereq: CSC 105, 131 or consent of instructor
_____		**6 hours of electives – at least 3 hours must be at the 300 level or above, and at least 3 hours must be chosen outside of the student’s major department. CSC 315, 320, 368, 370, 421, 430, 475, 491; ARH 202, 206, 308, 386, ART 280, 282, 311, 312, 320, 341, 343, 360, 365, 380, 382, 411, 412, 475, 491, 495, CIT 410, COM +160, +211, 280, 380,480,491, CRW 210, 301, 302, 318, 320, 330, 331, 332, 333, 368, 392, 393, 394, 397, 398, 430, 491, 495, 497, MUS 110, 210, 310, 491, THR 211, 305, 306, 411, 491.

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>

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

4/15/2019