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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Prerequisites</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>+CSC 131</td>
<td>Introduction to Computer Science (4)</td>
<td>Prerequisite: MAT 111 or 115</td>
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<tr>
<td>+CSC 133</td>
<td>Discrete Mathematical Structures (3)</td>
<td>Prerequisite: MAT 111 or 115, or equivalent</td>
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<tr>
<td>CSC 231</td>
<td>Introduction to Data Structures (4)</td>
<td>Prerequisite: CSC 131 with a grade of “C” or better, Corequisite: CSC 133</td>
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<tr>
<td>CSC 242</td>
<td>Computer Organization (3)</td>
<td>Prerequisites: CSC 131 with a grade of “C” or better and 133</td>
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<tr>
<td>CSC 331</td>
<td>Object-Oriented Programming and Design (3)</td>
<td>Prerequisite: CSC 231 with a grade of “C” or better and 242</td>
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<tr>
<td>CSC 344</td>
<td>Computer Networks (3)</td>
<td>Prerequisite: CSC 231 with a grade of “C” or better and 242</td>
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<tr>
<td>CSC 360</td>
<td>Formal Languages and Computability (3)</td>
<td>Prerequisites: CSC 231 with a grade of “C” or better and 242</td>
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<tr>
<td>CSC 380</td>
<td>Design and Analysis of Algorithms (3)</td>
<td>Prerequisites: CSC 133, 231 with a grade of “C” or better, and MAT 161</td>
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<tr>
<td>CSC 385</td>
<td>Professional and Ethical Issues in Computer Science (3)</td>
<td>Prerequisites: ENG 101 or equivalent and junior/senior standing in computer science or information technology (Meets Oral Communication Requirement)</td>
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<tr>
<td>CSC 434</td>
<td>Programming Languages (3)</td>
<td>Prerequisites: CSC 331 with a grade of “C” or better and 360</td>
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<tr>
<td>CSC 450</td>
<td>Software Engineering (3)</td>
<td>Prerequisites: CSC 331 with a grade of “C” or better and senior standing (Meets Applied Learning Requirement)</td>
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<td>CSC 455</td>
<td>Database Design and Implementation (3)</td>
<td>Prerequisite: CSC 331 with a grade of “C” or better</td>
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<tr>
<td>+MAT 161</td>
<td>Calculus with Analytical Geometry I (4)</td>
<td>Prerequisite: MAT 112 or 115 or equivalent preparation</td>
<td>(Meets Applied Learning Requirement)</td>
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<tr>
<td>+MAT 162</td>
<td>Calculus with Analytical Geometry II (4)</td>
<td>Prerequisite: MAT 161</td>
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<tr>
<td>+BAN 280</td>
<td>Statistical Analysis for Business and Economics (3)</td>
<td>Prerequisite: MAT 111</td>
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<tr>
<td>or +STT 215</td>
<td>Introduction to Statistics (3)</td>
<td>Prerequisite: Satisfactory performance on the UNCW math test or MAT 105</td>
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</table>

Choose 6 additional hours in CSC at the 300 level or above, and at least 3 of these hours must be at the 300 level or above, and at least 3 of these 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 and http://catalogue.uncw.edu.

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