B.S. Computer Science (CSC)

Option 2: Geospatial Technologies (GIS) 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 – GIS (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 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)
- +*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
- +CSC **Choose 6 additional hours in CSC at the 300-400 level; must be approved by advisor.
- GIS Concentration: (21 hours) Complete requirements for Geospatial Technologies Minor
  - +GGY 215 The Digital Globe (3)
  - or GGY 220 Cartography (3) Prerequisite: GGY 130 or GGY 140
  - GGY 281 Introduction to Geographic Information Systems (3) Prereq: GGY 130 or 140 or EVS 195 or consent of instructor
  - GGY 322 Introduction to Remote Sensing (3) Prereq: GGY 130 or GLY 120 or GGY 215
  - **Choose 12 additional hours of electives, 6 credit hours at 300-level, and at least 9 hours outside major, selected from the following: ANT 311, *BIO 366, 466, BIOL 366, CSC 370, 415, 455, GGY 220, 222, 328, 333,424, 426, 428, 433, GLY 390, 470, 471, MIS 315, OCN 390 or 471.

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

 требования 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.