B. S. Information Technology (IT) with Computer Science 4+1
College of Arts & Sciences & Cameron School of Business

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 – CIT (Minimum 67 hours)
4+1 Program for Computer Science Concentration

Core Courses: (30 hours)
- CIT 110 Fluency in Information Technology (3)
- CIT 204 Digital Media (3) Prerequisite: CIT 110, CSC 105, or CSC 112, or permission of instructor
- CIT 225 LINUX Administration (3) Prerequisite: CSC 121 or 131
- MIS 310 Web Page Development (3) Prerequisite: CIT 110 or CSC 131 or MIS 213
- MIS 324 Information Security Management (3) Prerequisite: CIT 110 or MIS 213 and CIT 225 with a C- or better
- MIS 352 Network System Administration (3) Prerequisite: MIS 320 with a C- or better
- CIT 410 Web Application Development (3) Prerequisite: MIS 310
- MIS 411 Information Systems Analysis (3) Prerequisite: CIT 213 with a grade of C- or better or Pre/Coreq MIS 315
- CIT 425 Human-Computer Interfaces (3) Prerequisite: MIS 310
- MIS 480 IT Resource Planning and Management (3) Prerequisite: MIS 411 with a grade of C- or better

(Meets Applied Learning Requirement)
- CIT 475 IT Resource Planning and Management (3) Prerequisite: MIS 411 with a grade of C- or better

Required Courses: (25 hours)
- CIT 213 Introduction to Databases: Techniques and Technologies (3) Prerequisite: CIT 110
- MIS 320 Network Fundamentals (3) Prerequisite: CIT 110 or MIS 213 with a grade of C- or better
- **OR** CSC 344 Computer Networks (3) Prerequisite: CSC 231 with a grade of C or better and CSC 242
- **OR** CSC 544 Network Programming
- **+** CSC 131 Introduction to Computer Science (4) Prerequisite: MAT 111 or 115
- **+** CSC 385 Professional and Ethical Issues in Computer Science (3) Prerequisite: ENG 101 or equivalent and Junior/Senior standing in CSC or CIT (Meets Oral Communication Requirement)
- **+** MAT 151 Basic Calculus with Applications I (3) Prerequisite: MAT 111; 115 or equivalent preparation in Algebra
- **OR** CSC 133 Discrete Mathematical Structures (3) Prerequisite: MAT 11 or MAT 115
- **+** MIS 315 Management of Database Systems (3) Prerequisite: MIS 213 or CIT 213
- **+** MIS 316 Business Application Development (3) Prerequisite: MIS 216 or CSC 112 or CSC 131 or another programming language course approved by department chair
- **+** STT 215 Introduction to Statistics (3) Prerequisite: MAT 105 or satisfactory performance on math test
- **+** BAN 280 Statistical Analysis for Business and Economics (3) Prerequisite: MAT 111

Concentration Courses: (12 hours)

Computer Science
- **+** CSC 131 Introduction to Computer Science (4) Prerequisite: MAT 111, 115, or equivalent, or sufficient math placement
- **+** CSC 231 Introduction to Data Structures (4) Prerequisite: CSC 131 with grade of “C” or better; Coreq CSC 133
- **+** CSC 233 Introduction to Data Structures (4) Prerequisite: CSC 131 with grade of “C” or better; Coreq CSC 133
- **+** CSC 315 Symbolic Artificial Intelligence (3) Prerequisite: MAT 115 or equivalent, or sufficient math placement
- **+** CSC 517 Symbolic Artificial Intelligence or CSC 564 Computer and Network Security or CSC 587 Systems Simulation or CSC 592 Topics in Computing or CSC 517 Symbolic Artificial Intelligence or CSC 564 Computer and Network Security or CSC 587 Systems Simulation or CSC 592 Topics in Computing