B. S. Information Technology (IT)

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)

Core Courses: (30 hours)

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

Required Courses: (25 hours)

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

Concentration Courses: (12 hours) Must Choose One

Students who wish to complete two concentrations may simultaneously apply up to 3 credit hours of course work towards both concentrations if the course is approved in both concentrations.

a. Business Applications Development

- MIS 419 Information Technology Project Management (3) Prereq: MIS 213 and admission to CSB  
  **Choose 3 courses from the following list:
  - CSC 315, 331, MIS 328, 331, 364, 413, 491, 495, 498 (with a Business Application Development Focus)

b. Business Data Management

- MIS 327 Data Center Management (3) Prereq: MIS 213  
  **Choose 3 courses from the following list, with at least 1 MIS:
  - BAN 300, 301, 302, 303, 400,
  - MIS 322, 329, 330, 491, 495, 498 with a Business Data Management focus.
c. Computer Science
   ____ +CSC 131 Introduction to Computer Science (4) Prereq: MAT 111, 115, or equivalent, or sufficient math placement
   ____ CSC 231 Introduction to Data Structures (4) Prereq: CSC 131 with grade of “C” or better; Coreq CSC 133
   ____ CSC ___ **Choose 2 courses from the following:
   ____ CSC ___ CSC 315, 365, 385, 455, 465

d. Cybersecurity
   ____ MIS 322 Information Assurance and Security (3) Prereq: MIS 213 or CIT 110
   ____ MIS 365 Ethical Hacking (3) Prereq: MIS 324 or MIS 352
   ____ MIS ___ **Select 6 hours from the following list of courses:
   ____ MIS ___ MIS 362, 363, 364, 367, 491, 495, 498

e. General Information Technology
   Students who are unable to satisfy one of the concentrations may, with prior approval of the Dean, select four three-credit
   hour MIS, CIT, or CSC courses at 300-400 level with a grade or C- or better. Students who pursue this concentration may
   not complete a second concentration.

   A minimum GPA of “C” (2.00) is required in all major courses. No grade below “C-” will be accepted towards graduation
   in a core or required course.

   *These courses require a lab
   1These courses require admission to the Cameron School of Business prior to enrollment
   +May also be used to satisfy University Studies Foundations & Approaches and Perspectives requirements

   **Requirements to declare CIT**: Completion of 24 UNCW hours. For further information, see the CIT web site:
   [https://uncw.edu/bsit/future.html](https://uncw.edu/bsit/future.html)

   This document is considered an unofficial guide. Please refer to your degree audit for the latest updates. 12/09/2020