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) Prerequisite: CIT 110 CSC 105, or CSC 112, or permission of instructor
____ CIT 225  Platform Technologies (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: CIT 225 or MIS 320 with a C- or better
____ CIT 410  Web Application Development (3) Prerequisite: MIS 310

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
____ +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 or Junior/Senior standing in CSC or CIT (Meets Applied Learning Requirement)
____ +MAT 151  Basic Calculus with Applications I (3) Prerequisite: MAT 111; 115 or equivalent preparation in Algebra.
____ 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
or  ____ BAN 280  Statistical Analysis for Business and Economics (3) Prerequisite: 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) Prerequisite: 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) Prerequisite: 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, 1498 with a Business Data Management focus.

C. 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
**Choose 2 courses from the following CSC 315, 365, 385, 455, 465
____ CSC ___
d. Cyber Security
   ___MIS 322   Information Assurance and Security (3) Prerequisite: MIS 213 or CIT 110
   ___MIS 365   Ethical Hacking (3) Prerequisite: MIS 324 or MIKS 352
   ___MIS ___   **Select 6 hours from the following list of courses: MIS 362, 363, 364, 367, 491, 495, 498
   ___MIS ___

e. General Information Technology (12 hours)
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 of 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
This document is considered an unofficial guide. Please refer to your degree audit for the latest updates. 5/12/2020