B. S. Information Technology (IT) with Business Data Management 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 Business Data Management 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) Prereq: 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

(Meets Applied Learning Requirement)
- 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

Required Courses: (25 hours)
- CIT 213 Introduction to Databases: Techniques and Technologies (3) Prerequisite: 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) Prerequisite: CSC 231 with a grade of C or better and CSC 242
  - OR
  - CSC 544 Network Programming
- **Choose 3 courses from the following list with at least 1 MIS course:**
  - BAN 305, 306, 402, 403,
  - 2 of the following:
    - MIS 503 (Programming For Analytics)
    - MIS 505 Data Visualization
    - MIS 506 (Text and Unstructured Data Analytics)

Concentration Courses: (12 hours)

Business Data Management

- MIS 327 Data Center Management (3) Prerequisite: MIS 213
- OR
  - MIS 527 Data Center Management

**Choose 3 courses from the following list with at least 1 MIS course:**
BAN 305, 306, 402, 403, or 2 of the following:
- MIS 503 (Programming For Analytics)
- MIS 505 Data Visualization
- MIS 506 (Text and Unstructured Data Analytics)