Bachelor of Science in Information Technology
(effective Fall 2010)

CGS1920  Intro to Computing  (1)
CGS2518  Data Analysis
CGS2060  Intro to Microcomputers
CGS2100  Microcomputers for Business
COP2250  Programming in Java
PSY2012  Intro to Psychology
MAC1140  Pre-Calculus Algebra
Pre: MAC1105

MAD1100*  Math Concepts for IT
OR
COT3100*  Discrete Structures
OR
Pre-Calculus Algebra
Pre: MAC1105

CEN3721  Human Computer Interaction
COP 3804  Intermediate Java
CGS3767  Computer Operating Systems
ENC3213/ ENC3249*  Professional & Tech Writing for Comp (GRW)

CGS4703  Information Storage & Retrieval
CGS4854  Web Site Construct Mgmt
CGS4285  Applied Cmptr Networking
CGS3095  Tech in the Global Arena (GL)

COP4814  Component Based Sftw Dev
CNT4403  Computing & Ntwk Security

Interdisciplinary Courses
Nine additional credits must be taken outside SCIS. The nine credits must be applicable to a minor or certificate in another discipline. Pending advisor approval.

IT Electives: Choose 5 electives (3 credits each)
Fifteen credits of electives are required. From the four areas of concentration choose two and take two courses per area of concentration. The 5th elective can be taken in any area of concentration.

- Database Administration
  - COP 4722 Survey of DB System (Prereq: COP4703)
  - CTS 4408 DB Admin (Prereq: COP4703)

- Security
  - CIS 4365 Enterprise Cybersecurity (Prereq: CNT4403 or EEL4806)
  - CNT 4182 Mobile & IoT Security (Prereq: CNT4403 or EEL4806)

- Network Administration
  - CNT 4513 Data Communication (Prereq: COP3804 & CGS4285)
  - CNT 4504 Advanced Ntwk Mngmt (Prereq: CNT4513)

- System Administration
  - CIS 4431 IT Automation (Co-req: CGS4285)
  - CNT 4603 System Admin & Maintenance (Prereq: CGS3767)
  - CTS 4348 Unix System Admin (Prereq: CGS3767)

- Application Development
  - COP 4005 Windows Prmg for IT (Prereq: COP3804 & CEN3721, Co-req: COP4703)
  - COP 4655 Mobile Appl Prgm (Prereq: COP4814 & CEN3721)
  - COP 4813 Web Appl Prgm (Prereq: COP4005 & CGS4854)

* ENC3213/ENC3249 prerequisite: complete the UCC English requirements
* MAC1140, MAD1100 & COT3100 math prerequisite is MAC1105.

A line indicates a prerequisite. The course above must be completed before the course below can be taken.