Bachelor of Science in Information Technology
Software Major (effective 8/2010)

**Prerequisites and Core**

- **CGS 1920** Introduction to Computing (1 credit)
- **CGS 2518** Data Analysis
- **PSY 2012** Introduction to Psychology
- **COP 2210** Programming I (4 credits)
- **COT3993 or MAD 2104** Discrete Structures/Math Pre: MAC 1105
- **MAC 1140** Pre-Calculus (and Trig) Pre: MAC1105
- **MAC 1140** Pre-Calculus (and Trig) Pre: MAC1105
- **CDA 3103** Fundamentals of Computer Systems Pre: COP 2210
- **CEN 3721** Human Computer Interaction Pre: COP 2210
- **COP 3337** Programming II Pre: COP 2210
- **CGS 3767** Computer Operating Systems Pre: COP 2210
- **ENC 3213 or ENC 3249** Technical Writing
- **CGS 4854** Web Site Construction and Mgmt. Pre: COP 3337 & CGS 3767
- **CGS 4285** Applied Computer Networking Pre: CGS 3767
- **CGS 3095** Technology in the Global Arena (GL) Pre: COP 2210, & ENC 3249 or ENC3213
- **COP 4703** Information Storage and Retrieval Pre: COP 3337 & MAD 2104
- **COP 4854** Information Storage and Retrieval Pre: COP 3337 & MAD 2104
- **CNT 4403** Computing and Network Security Pre: COP 3337 & CGS 4285
- **COP 4338** Programming III Co: COP 3530
- **COP 4814** Component-Based Software Dev. Pre: COP 4703 & CGS 4854
- **COP 3530** Data Structures Pre: COP 3337 & MAD 2104
- **CEN 3721** Human Computer Interaction Pre: COP 3337 & MAD 2104
- **COP 4814** Component-Based Software Dev. Pre: COP 4703 & CGS 4854
- **CNT 4403** Computing and Network Security Pre: COP 3337 & CGS 4285

**Electives**

- **CTS 4408** DB Admin. Pre: COP 4703
- **COP 4005** Windows Prgm. for IT Pre: COP 3804 & CEN3721 Co: COP 4703
- **COP 4655** Mobile Appl. Prgm. Pre: COP 4814 & CEN3721
- **CTS 4348** Unix System Admin. Pre: CGS 3767
- **CIS 4431** IT Automation Co: CGS 4285
- **CNT 4513** Data Comm. Pre: COP 3337 & CGS 4285
- **COP 4722** Survey of DB System Pre: COP 4703
- **COP 4813** Web Appl. Prgm. Pre: COP 4905 & CGS 4854
- **CNT 4603** System Admin and Maintenance Pre: CGS 3767
- **CNT 4504** Advanced Network Mgmt. Pre: CNT 4513

**Database Administration**

**Application Development**

**System Administration**

**Network Administration**

Six credits of electives are required. From the four areas of concentration choose one and take two courses.

**Interdisciplinary Credits**

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

- Pre: indicates a prerequisite. The prerequisite must be completed before the current course.
- All courses are 3 credits, except as noted.
- Co: indicates a co-requisite. The co-requisite may be taken at the same time as or before the current course. The co-requisite is a prerequisite for any course that has the current course as a prerequisite.

Minimum passing grade for all courses required for the major is ‘C’ including courses taken to satisfy the Interdisciplinary requirement.

* ENC3249 or ENC 3213 prerequisites: complete the UCC English requirements

Updated 11/2016