**Bachelor of Science in Information Technology**  
*effective Fall 2010*

**Major Requirements**

- **Computer Science Core** (39 credits)
  - CGS1920 Intro to Computing (1)
  - CGS2518 Data Analysis
  - CGS2060 Intro to Microcomputers
  - CGS2100 Microcomputers for Business
  - COP2250 Programming in Java
  - PSY2012 Intro to Psychology
  - MAC1147* Pre-Calculus Algebra & Trigonometry Pre: MAC1105
  - ENC3213 or ENC3249

- **Interdisciplinary Courses**
  - CGS3200 Math Concepts
  - MAD1100* Math Concepts for IT
  - COT3100* Discrete Structures
  - CEN3721 Human Computer Interaction
  - COP 3804 Intermediate Java
  - CGS3767 Computer Operating Systems
  - PSY2012 Intro to Psychology
  - CTS 4348 Database Administration (Prereq: COP4703)
  - CTS 4408 DB Admin (Prereq: COP4703)
  - CIS 4431
  - COP 4655
  - CPT 4814
  - CGS4854
  - CGS4285

- **Electives**
  - Fifteen credits of electives are required. Select two areas of concentration and take two courses in each of the chosen concentrations (four courses). Select the fifth course from any area of concentration.

**IT Electives**

Select from the following courses:
- **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)
  - CTS 4743 Enterprise IT Troubleshooting (Prereq: COP-4703 and (CNT-4403 or EEL-4806))
- **Application Development**
  - COP 4005 Windows Prmg for IT (Prereq: COP3337 & CEN3721; Co-req: COP4703)
  - COP 4655 Mobile App Prgm (Prereq: COP4814 & CEN3721)
  - COP 4813 Web App Prgm (Prereq: COP4005 & CGS4854)

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*pre-requisite: complete the UCC English requirements

* MAC1147, MAD1100 & COT3100 math prerequisite: is MAC1105.

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

A diamond indicates a co-requisite. The course closer to the diamond may be taken at the same time as the co-requisite. The co-requisite is a prerequisite for any course that requires the course closer to the diamond.