



**IT Electives:** Choose 5 electives (3 credits each)

Fifteen credits of electives are required. From the five areas of concentration choose two and take two courses per area of concentration. The 5<sup>th</sup> 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)

**Network Administration**

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

**Security**

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

**System Administration**

- CIS 4431 *IT Automation* (Co-req: CGS4285)
- CNT 4603 *Windows System Admin* (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 Appl Prgm* (Prereq: COP4814 & CEN3721)
- COP 4813 *Web Appl Prgm* (Prereq: COP4005 & CGS4854)

^ **ENC3213/ENC3249** prerequisite: 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.