



IT Electives: Choose 5 electives (3 credits each)

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

Database Administration

- COP 4751 *Advanced Database Management* (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 *System Admin & Maintenance* (Prereq: CGS3767)
- CTS 4348 *Unix System Admin* (Prereq: CGS3767)
- CTS 4743 *Enterprise IT Troubleshooting* (Prereq: COP4703 and (CNT4403 or EEL4806))

Application Development

- COP 4005 *Windows Prmg for IT* (Prereq: CEN3721 & (COP3814 or COP3337); Co-req: COP4703)
- COP 4655 *Mobile Appl Prgm* (Prereq: (CEN3721 & COP4814) or (CAP4104 & CEN4010))
- COP 4813 *Web Appl Prgm* (Prereq: CGS4854)

^ ENC3213/ENC3249 prerequisite: complete the UCC English requirements

*** COT3100:**
Prereq: MAC XXXX and COP XXXX (any MAC course and any COP course)
Coreq: (COP2210 or COP2250 or EEL2280)

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.