



IT Electives : Students must take twelve credits of electives. For those who are **pursuing two majors at the same time** the electives can be split between IT electives and approved cognate electives. All other students must take twelve credits of IT electives.

- CIS 4365 *Enterprise Cybersecurity* (Prereq: CNT4403 or EEL4806)
- CIS 4431 *IT Automation* (Co-req: CGS4285)
- CNT 4182 *Mobile & IoT Security* (Prereq: CNT4403 or EEL4806)
- CNT 4403 *Computing & Ntwk Security* (Prereq: COP3804, Co-req: CGS4285)
- CNT 4504 *Advanced Ntwk Mngmt* (Prereq: CNT4513)
- CNT 4513 *Data Communication* (Prereq: COP3804 & CGS4285)
- CNT 4603 *Windows System Admin* (Prereq: CGS3767)
- COP 4005 *Windows Prgm for IT* (Prereq: CEN3721 & (COP3804 or COP3337); Co-req: COP4703)
- COP 4655 *Mobile Appl Prgm* (Prereq: (CEN3721 & COP4814) or (CAP4104 & CEN4010))
- COP 4751 *Advanced Database Management* (Prereq: COP4703)
- COP 4813 *Web Appl Prgm* (Prereq: CGS4854)
- COP 4814 *Component Based Sftw Dev* (Prereq: COP4703 & CGS4854)
- CTS 4348 *Unix System Admin* (Prereq: CGS3767)
- CTS 4408 *Database Admin* (Prereq: COP4703)
- CTS 4743 *Enterprise IT Troubleshooting* (Prereq: COP4703 and (CNT4403 or EEL4806))

Cognate Electives

(For students pursuing two majors at the same time)

A cognate elective is a course from the other major that is related to IT. If there are suitable courses that are required for the other major, they can **replace up to six credits of IT electives**. All cognate classes must be approved by advisers from both majors. **Pending advisor approval.**

* 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.