

# Computer Science Concentrations

**Two concentrations are required.  
For each concentration, two courses are required.**

## ***Artificial Intelligence***

[CAP4601](#) Artificial Intelligence (Prereqs: COP4412: Data Structures II and COP4331: OO Programming)

[CAP4053](#) AI Programming for Interactive Environments (Prereq: CAP4601)

## ***Control Systems and Programming***

[CDA3990](#) Control Systems Programming (Prereq: CDA3101)

TBD Real Time Systems

## ***Database***

[COP4710](#) Database Systems (Prereq: Any programming course)

[CAP4770](#) Data Mining (Prereq: COP4710)

## ***Distributed Systems Architecture***

[COP4856](#) Distributed Architecture I (Prereqs: COP4634: Systems & Networks I, COP3411: Data Structures I & COP4331: OO Programming)

[COP4857](#) Distributed Architecture II (Prereq: COP4856)

## ***Systems Security*** (select two courses)

[CNT4403](#) Systems and Networks Security (Prereq: COP4634: Systems & Networks I)

[CIS4385](#) Cyber-Security Forensics (Prereq: COP3411: Data Structures I)

[CTS4348](#) Linux System Administration (No Prereqs)