Bachelor of Arts in Computer Science
(effective 08/01/2020)

Choose ONE course
- CGS 1920 Intro to Computing (1 credit)
- COP 1000 Intro to Programming
- IDC1000 Compt Science for Everyone

All courses are 3 credits, except as noted.

CS Electives (6 courses): Must take at least one course from each elective group (most electives are 3 credits). Remaining three elective courses must be taken from these elective groups.

**Foundations**
- COP 4534-Algorithm Techniques (Prereq: COP3530)
- COP 4555-Programming Languages (Prereq: COP3530)
- COT 3541-Logic for CS (Prereq: COP3337 & COT3100)
- COT 4521-Intro to Computational Geometry (Prereq: COP3530)
- MAD 3305-Graph Theory (Prereq: COP2210, MAD2104)
- MAD 3512-Theory of Algorithms (Prereq: COP3530)
- MHF 4302-Math Logic (Prereq: MAD3512)

**Systems**
- CEN 4083-Cloud Computing (Prereq: CNT4713 and (CDA3102 or CDA4101))
- COT 4526-Fund Programming Languages (Prereq: COP3530)
- COT 4520-Intro to Parallel Computing (Prereq: COP4338)
- COP 4604-Advanced UNIX Programming (Coreq: COP4101)
- COP 4710-Intro to Database Systems (Coreq: COP3530)
- COP 4722-Survey of Database Systems (Prereq: COP4710)
- COT 4431-Advanced Parallel Computing (Prereq: COP3530 and CDA3102/CDA4101)
- CTS 4038-Database Administration (Prereq: COP4710)

**Applications**
- CAP 4104-Human Cmplt Interaction (Prereq: COP3337)
- CAP 4630-Artificial Intelligence (Prereq: COP3530)
- CAP 4641-Nat Lang Processing (Prereq: COP3530)
- CAP 4770-Intro to Data Mining (Prereq: COP3530, Coreq: COP4710)
- CEN 4021-Software Engineering II (Prereq: CEN4010)
- CEN 4072-Software Testing (Prereq: COP3530)
- COP 4226-Adv Windows Program (Prereq: COP3530)
- COP 4565-Mobile App Dev (Prereq: CAP4104 and CEN4010) or (CEN3721 and COP4814)

*Prerequisites:
- ENC3249/ENC3213: UCC English requirements
- COT3100, MAD2104 & MAC1147: MAC1105
- COP2210: MAC1140 or higher level math course

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.