Bachelor of Arts in Computer Science
(effective 01/01/2021)

Choose ONE course

CGS 1920 Intro to Computing (1 credit)

OR

COP 1000 Intro to Programming

OR

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: COP 3530)
- COP 4555 - Programming Languages (Prereq: COP 3530)
- COT 3510 - Applied Linear Structures (Prereq: COP 3530)
- COT 3541 - Logic for CS (Prereq: COP 3337 & COT 3100)
- COT 4521 - Intro to Computational Geometry (Prereq: COP 3530)
- MAD 3305 - Graph Theory (Prereq: COP 2210, MAD 2104)
- MAD 3512 - Theory of Algorithms (Prereq: COP 3530)
- MHF 4302 - Math Logic (Prereq: MAD 3512)

Applications
- CAP 4052 - Game Design & Dev (Prereq: STA 3023 or STA 3033 and COP 3530 and COP 4104)
- CAP 4104 - Human Cmbr Interaction (Prereq: COP 3530 and COP 4655)
- CAP 4630 - Artificial Intelligence (Prereq: COP 3530 and COP 4710)
- CAP 4641 - Nat Lang Processing (Prereq: COP 3530)
- CAP 4770 - Intro to Data Mining (Prereq: COP 3530, Co-req: COP 4710)
- CAP 4830 - Modeling & Simulations (Prereq: STA 3023 or STA 3033 and COP 3530)
- CEN 4021 - Software Engineering I (Prereq: CEN 4010)
- CEN 4072 - Software Testing II (Prereq: COP 3530)
- COP 4226 - Adv. Windows Program (Prereq: COP 3530)
- COP 4655 - Mobile App Dev (Prereq: CAP 4104 and CEN 4010)

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.

* Prerequisites:
  - COP 2210: MAC 1140 or higher level math course
  - COT 3100: Prereq: MAC XXXX and COP XXXX (any MAC course and any COP course)
  - Coreq.: (COP 2210 or COP 2250 or EEL 2280)
  - ENC 3249/ENC 3213: UCC English requirements
  - MAD 2104: MAC 1105 or MGF 1106

$ Both COP 2210 and COP 2210L must be registered together with the same professor.

Pending advisor approval.