Minor in Computer Science
(effective Fall 2023)

COP 2210 Programming I
(4 credits)

MAD 2104* Discrete Math
OR
COT 3100* Discrete Structures

COT 3337 Programming II

CDA 3102 Computer Architecture

CS Minor Electives: Choose any 2 electives from all courses listed below (3 credits each)

- Foundations
  - COP 4534-Algorithm Techniques (Prereq: COP3530)
  - COP 4555-Programming Languages (Prereq: COP3530)
  - COT 35 10-Applied Linear Structures
    (Prereq see syllabus; Coreq: COT3100 or MAD2104)
  - COT 3541-Logic for CS (Prereq: COP3337 and 
    (COT3100 or MAD2104))
  - COT 4521-Intro to Computational Geometry
    (Prereq: COP3530)
  - COT 4601-Fundamentals of Quantum Computing
    (Prereq: COP3337 or COP3804 and COT3100)

- Systems
  - CIS 4203-Digital Forensics (Prereq: COP2210/COP2250/EEL2880)
  - CIS 4731-Fund Blockchain Technologies (Prereq: COP3530)
  - COP 3530-Data Structures (Prereq COP3337 and
    (MAD2104 or COT3100))
  - COP 4338-Systems Programming (Coreq: COP3530)
  - COP 4520-Introduction to Parallel Computing
    (Prereq: COP3530 and (CDA3102 or CDA4101 or EEL4709))
  - COP 4710-Database Management (Prereq: cop3337; Coreq: 
    COP3530)
  - COP 4431-Applied Parallel Computing (Prereq: COP3530 
    and CDA3102)

- Applications
  - CAP 4104-Human Cmtr Interaction (Prereq: COP3337)
  - CAP 4630-Artificial Intelligence (Prereq: COP3530)
  - CAP 4641-Nat Lang Processing (Prereq: COP3530)
  - CAP 4680-Modeling & Simulations (Prereq: STA2023 
    or STA3033 and COP3530)
  - CEN 4010-Software Engineering I (Prereq: CGS3095 
    and COP3530)
  - CEN 4021-Software Engineering II (Prereq: CEN4010)
  - CEN 4072-Software Testing (Prereq: COP3530)
  - COP 4226-Adv Windows Program (Prereq: COP3530)

* Prerequisites:
  - COP2210: MAC1140 or higher level math course
  - COT3100: Prereq: MAC XXXX and COP XXXX
    (any MAC course and any COP course)
    Coreq:(COP2210 or COP 2250 or EEL2280)
  - MAD2104: MAC1105 or MGF1106

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.