Minor in Computer Science

(Effective 01/01/2020)

Programming I*

COP 2210
4 credits

COP 2210L
0 credit

MAC 1147*
Pre-Calculus Algebra & Trigonometry

MAD 2104*
Discrete Math

OR

COT 3100*
Discrete Structures

COP 3337
Programming II

CDA 3102
Computer Architecture

All courses are 3 credits, except as noted.

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

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

Foundations

☐ COP 4534-Algorithm Techniques (Prereq: COP 3530)
☐ COP 4555-Programming Languages (Prereq: COP 3530)
☐ COT 3510-Applied Linear Structures (Coreq: COT 3100 or MAD 2104)
☐ COT 3541-Logic for CS (Prereq: COP 3337 and (COT 3100 or MAD 2104))
☐ COT 4521-Intro to Computational Geometry (Prereq: COP 3530)

Systems

☐ CIS 4731-Fund Blockchain Technologies (Prereq: COP 3530)
☐ COP 3530-Data Structures (Prereq: COP 3337 and (MAD 2104 or COT 3100))
☐ COP 4338-Systems Programming (Coreq: COP 3530)
☐ COP 4520-Introduction to Parallel Computing (Prereq: COP 3530 and (CDA 3102 or CDA 4101 or EEL 4709))
☐ COP 4710-Database Management (Prereq: cop 3337; Coreq: COP 3530)
☐ COT 4431-Applied Parallel Computing (Prereq: COP 3530 and CDA 3102)

Applications

☐ CAP 4104-Human Cmtr Interaction (Prereq: COP 3337)
☐ CAP 4630-Artificial Intelligence (Prereq: COP 3530)
☐ CAP 4641-Nat Lang Processing (Prereq: COP 3530)
☐ CAP 4630-Modeling & Simulations (Prereq: STA 2023 or STA 3033 and COP 3530)
☐ CEN 4010-Software Engineering I (Prereq: CGS 3095 and COP 3337)
☐ CEN 4021-Software Engineering II (Prereq: CEN 4010)
☐ CEN 4072-Software Testing (Prereq: COP 3530)
☐ COP 4226-Adv Windows Program (Prereq: COP 3530)

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)
- MAD 2104: MAC 1105 or MGF 1106

Rev 3/2021