Bachelor of Arts in Computer Science
(effective Fall 2017)

Prerequisites:

- COP 2210: Programming I and Lab (4 credits) Pre: MAC1147
- COP 2310*: Discrete Structures
- CO 3100**: Pre-Calculus Algebra
- ENC 3249 or ENC3213^ Professional & Tech Writing for Comp (GRW)
- MAC 1147*: Statistics for Business and Economics
- MAD 2104*: Discrete Math
- STA2023

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

Interdisciplinary Courses
Nine additional credits must be taken outside SCIS. The nine credits must be applicable to a minor or certificate in another discipline.
Pending advisor approval.

CS Electives: Choose 3 electives

- CAP 4104-Human Cmptr Int (Prereq: COP3337)
- CAP 4630-Artificial Intelligence (Prereq: COP3530)
- CAP 4641-Natural Language Processing (Prereq: COP3530)
- CAP 4770-Data Mining (Prereq: COP3530 & Co-Req:COP4710)
- COP 4021-Software Engineering II (Prereq: CEN4010)
- CEN 4072-Software Testing (Prereq: COP3530)
- CEN 4083-Cloud Computing (Prereq: CNT4713 & CDA4101)
- COP 4226-Advanced Windows Programming (Prereq: COP3530)
- COP 4520Intro to Parallel Computing (Prereq: COP3530 & CDA4101)
- COP 4534-Algorithm Techniques (Prereq: COP3530)
- COP 4555-Programming Languages (Prereq: COP3530)
- COP 4604-Advanced UNIX Programming (Prereq: COP4610)
- COP 4722-Survey of Database Systems (Prereq: COP4710)
- COT 3541-Logic for Computer Science (Prereq: COP3337 & COP3100/MAD2104)
- COT 4521-Intro to Computational Geometry (Prereq: COP3530)
- CTS 4408-Database Administration (Prereq: COP4710)
- MAD 3305-Graph Theory (Prereq: COP2210 & COP3100/MAD2104)
- MAD 3512-Algorithms (Prereq: COT3541)

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.
A junction is where multiple prerequisites are joined.

All courses are 3 credits, except as noted.

^ ENC3249/ENC3213 prerequisites: UCC English requirements
* COT3100, MAD2104 & MAC1147 require MAC1105

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