Bachelor of Arts in Computer Science (effective Fall 2017)

*COP 2210 Programming I and Lab (4 credits)*
*COT 3100* Discrete Structures
*MAD 2104* Discrete Math
*ENC 3249* Professional & Technical Writing for Computing
*MAC1140* Statistics for Business and Economics

All courses are 3 credits, except as noted.

- ENC 3249 prerequisites: UCC English requirements
- COT3100, MAD2104 & MAC1140 require MAC1105

### Interdisciplinary Studies

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

### CS Electives: Choose 3 electives

- **CAP 4630-Artificial Intelligence** (Prereq: COP3530)
- **CAP 4641-Natural Language Processing** (Prereq: COP3530)
- **CAP 4770-Data Mining** (Prereq:COP3530 & Co-Req:COP4710)
- **CEN 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 4005-Windows Programming** (Prereq: COP3337, Co-Req: COP4710)
- **COP 4520-Intro 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 & COT3100/MAD2104)
- **COT 4521-Intro to Computational Geometry** (Prereq: COP3530)
- **CTS 4408-Database Administration** (Prereq: COP4710)
- **MAD 3305-Graph Theory** (Prereq: COP2210 & COT3100/MAD2104)
- **MAD 3512-Algorithms** (Prereq: COT3541)

### Additional Notes

- 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.

Updated 06/2017