Bachelor of Arts in Computer Science (effective 01/01/2020)

Choose ONE course
- CGS 1920: Intro to Computing (1 credit)
- COP 1000: Intro to Programming
- IDC1000: Comp 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 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)

**Systems**
- CDA 3102: Computer Architecture
- COP 3530: Data Structures
- COP 4338: Systems Programming
- COP 4610: Operating Systems
- COP 2210*: Programming I (4 credits)
- MAC 1147*: Pre-Calculus Algebra & Trigonometry
- ENC 3249*: or ENC 3213*: Professional & Technical Writing (GRW)
- CGS 3095: Technology in the Global Arena (GL)

**Applications**
- CEN 4010: Software Engineering I
- CAP 4104: Human Cmpr Interaction (Prereq: COP 3337)
- CAP 4630: Artificial Intelligence (Prereq: COP 3530)
- CAP 4641: Nat Lang Processing (Prereq: COP 3530)
- CAP 4770: Intro to Data Mining (Prereq: COP 3530, Co-req: COP 4710)
- CEN 4021: Software Engineering II (Prereq: CEN 4010)
- CEN 4072: Software Testing (Prereq: COP 3530)
- COP 4226: Adv Windows Program (Prereq: COP 3530)

Nine additional credits must be taken from one cognitive area outside SCIS. For example, 9 credits within a minor or certificate meets this requirement. Find minors and certificates in the FIU Undergraduate Catalog @ https://catalog.fiu.edu/ Pending advisor approval.

* Prerequisites:
  - ENC 3249/ENC 3213: UCC English requirements
  - COT 3100, MAD 2104 & MAC 1147: MAC 1105
  - COP 2210: MAC 1140 or higher level math course

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.