Bachelor of Arts in Computer Science
(effective 08/01/2020)

Choose ONE course

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

All courses are 3 credits, except as noted.

Applications

- COP 4610 Operating Systems (COT4521 and CDA3102/CDA4101)
- MAC1147 Pre-Calculus Algebra & Trigonometry
- CGS 3095 Technology in the Global Arena (GL)
- ENC 3249* or ENC 3213* Professional & Technical Writing (GRW)

Interdisciplinary Courses
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.

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: COP3530)
  - COP 4555-Programming Languages (Prereq: COP3530)
  - COT 3541-Logic for CS (Prereq: COP3337 & COT3100)
  - COT 4521-Intro to Computational Geometry (Prereq: COP3530)
  - MAD 3305-Graph Theory (Prereq: COP2210, MAD2104)
  - MAD 3512-Theory of Algorithms (Prereq: COP3530)
  - MHF 4302-Math Logic (Prereq: MAD3512)

- Systems
  - CEN 4083-Cloud Computing (Prereq: CNT4713 and CDA3102 or CDA4101)
  - COT 3100-Discrete Math
  - COP 2210* Programming I (4 credits)
  - COP 3337 Programming II
  - COP 3530 Data Structures
  - COP 4338 Systems Programming

- Applications
  - CAP 4110* Human Cmpt Interactions (Prereq: COP3100)
  - CAP 4555-Mobile App Dev (Prereq: COP4101 and ENC4010 or CEN3721 and COP4814)

* Prerequisites:
  - ENC3249/ENC3213: UCC English requirements
  - COT3100, MAD2104 & MAC1147: MAC1105
  - COP2210: MAC1140 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.