Bachelor of Arts in Computer Science  
(effective Spring 2022)

Choose ONE course

- CGS 1920 Intro to Computing (1 credit)

OR

- COP 1000 Intro to Programming

OR

- IDC1000 Compt 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.

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**Foundations**

- COP 4534: Algorithm Techniques (Prereq: COP3530)
- COP 4555: Programming Languages (Prereq: COP3530)
- COT 3510: Applied Linear Structures (Prereq: COP3530)
- COT 3541: Logic for CS (Prereq: COP3337 & COT3100)
- COT 4521: Intro to Computational Geometry (Prereq: COP3530)
- MAD 3301: Graph Theory (Prereq: COP3530 & COT3100)
- MAD 3512: Theory of Algorithms (Prereq: COP3530)
- MHF 4302: Math Logic (Prereq: MAD3512)

**Systems**

- STA 2023: Statistics for Business and Economics
- MAD 2104*: Discrete Math
- COT 3100*: Discrete Structures
- CDA 3102: Computer Architecture
- COP 3337: Programming II
- COP 3530: Data Structures
- COP 4338: Systems Programming
- COP 4610: Operating Systems (COP4338 and CDA3102/CDA4101)

**Applications**

- MAC1147*: Pre-Calculus Algebra & Trigonometry
- ENC 3249*: or ENC 3213*: Professional & Technical Writing (GRW)
- COT 3100*: Prereq: MAC XXXX and COP XXXX
- COT 3300: Coreq: (COP2210 or COP 2250 or EEL2280)
- ENC 3249: or ENC 3213: UCC English requirements
- MAD2104: MAC1105 or MGF1106

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*Prerequisites:
- COP2210: MAC1140 or higher level math course
- COT3100: Prereq: MAC XXXX and COP XXXX (any MAC course and any COP course)
- Coreq: (COP2210 or COP 2250 or EEL2280)
- ENC3249/ENC3213: UCC English requirements
- MAD2104: MAC1105 or MGF1106

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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.

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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.