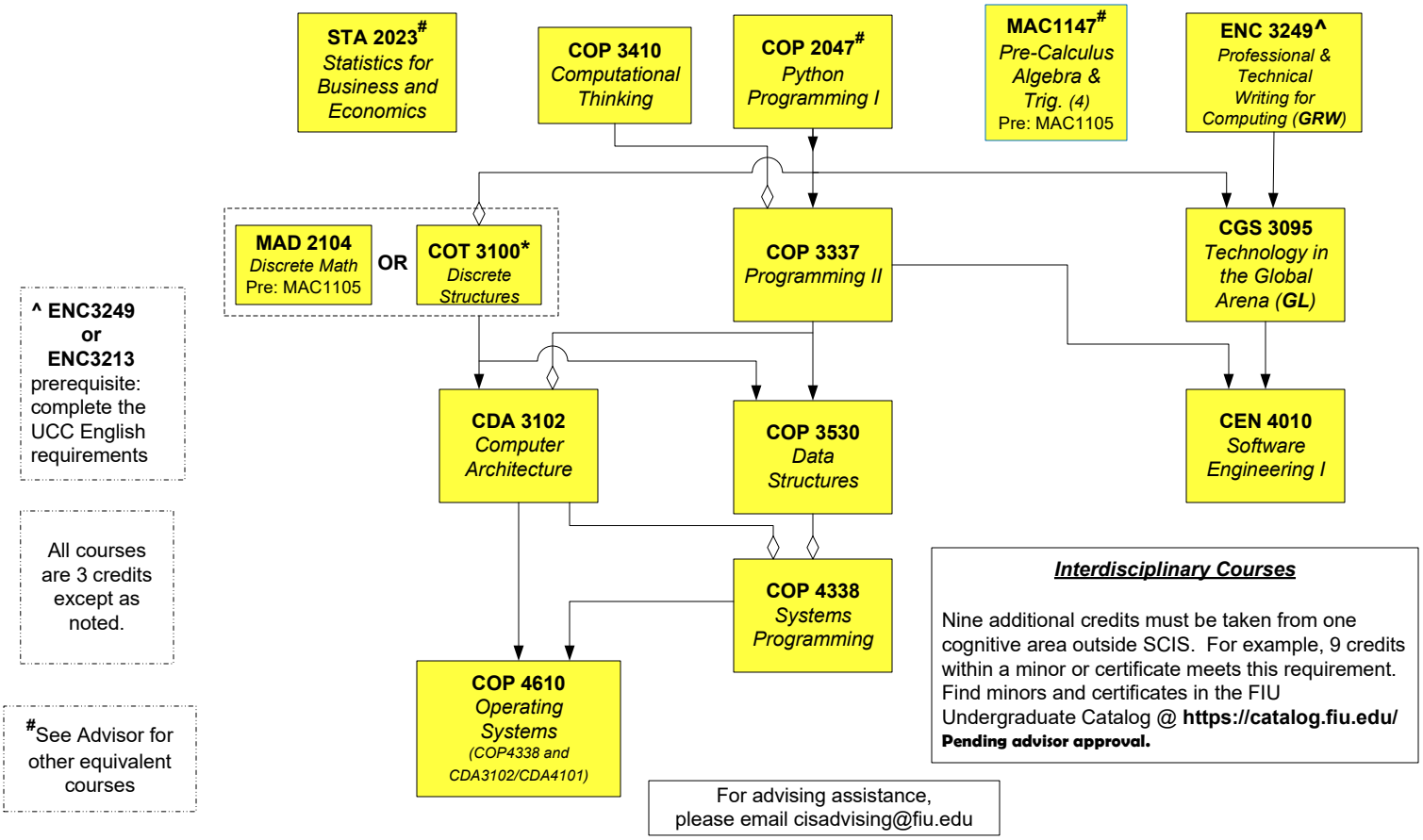
FIU | Knight Foundation School of Computing and Information Sciences

Bachelor of Arts in Computer Science

(effective Fall 2026)

Simple Syllabus Search Tip | Course Catalog Search Tip



^ **ENC3249 or ENC3213** prerequisite: complete the UCC English requirements

All courses are 3 credits except as noted.

#See Advisor for other equivalent courses

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.

For advising assistance, please email cisadvising@fiu.edu

CS Electives (12 credits): *Must take at least one course from each of the first three groups* (3 credits each)

Remaining three elective credits can be taken from any elective groups.

Foundations

- ☐ COP 4534-*Algorithm Techniques* (Prereq: COP3530)
- ☐ COP 4555-*Programming Languages* (Prereq: COP3530)
- ☐ COT 3510-*Applied Linear Structures* (Prereq: see syllabus; Coreq: COT3100 or MAD2104)
- ☐ COT 3541-*Logic for CS* (Prereq: COP3337 & COT3100)
- ☐ COT 4521-*Intro to Computational Geometry* (Prereq: COP3530)
- ☐ COT 4601-*Fundamentals of Quantum Computing* (Prereq: (COP 3337 or COP 3804) and COT 3100)
- ☐ MAD 3301-*Graph Theory* (Prereq: COP2210# & (COT3100 or MAD2104))
- ☐ MAD 3512-*Theory of Algorithms* (Prereq: COP3530)
- ☐ MHF 4302-*Math Logic* (Prereq: MAD3512)

Systems

- ☐ CDA 4625-*Intro to Mobile Robotics* (Prereq: COP3530 and STA2023)
- ☐ CEN 4083-Intro to *Cloud Computing* (Prereq: CNT4713 and (CDA3102 or CDA4101))
- ☐ CIS 4203-*Digital Forensics* (Prereq:COP2047/2210/2250/EEL2880)
- ☐ CIS 4731-*Fund Blockchain Technologies* (Prereq: COP3530)
- ☐ CNT 4713-*Net Centric Computing* (Prereq: COP4338)
- ☐ COP 4520-*Intro to Parallel Computing* (Prereq: COP3530 and (CDA3102 or CDA4101 or EEL4709))
- ☐ COP 4604-Advanced UNIX Programming (Coreq: COP4610)
- ☐ COP 4710-*Database Management* (Prereq: cop3337; Coreq: COP3530)
- ☐ COP 4751-Advanced *Database Management* (Prereq: COP4710)
- ☐ COT 4431-Applied Parallel Computing (Prereq: COP3530 and (CDA3102 or CDA4101 or EEL4709))
- ☐ CTS 4408-Database Administration (Prereq: COP4710)

Applications

- ☐ CAI 4002-*Artificial Intelligence* (Prereq: COP3530)
- ☐ CAI 4105-*Introduction to Machine Learning* (Prereq: STA2023#)
- ☐ CAI 4304-*Nat Lang Processing* (Prereq: COP3530)
- ☐ CAP 4052-*Game Design & Dev* (Prereq: (STA2023 or STA3033) and COP3530 and CAP4104)
- ☐ CAP 4104-*Human Cmptr Interaction* (Prereq: COP3337)
- ☐ CAP 4770-*Intro to Data Mining* (Prereq: STA2023#)
- ☐ CAP 4830-*Modeling & Simulations* (Prereq: (STA2023 or STA3033) and COP3530)
- ☐ CEN 4021-*Software Engineering II* (Prereq: CEN4010)
- ☐ CEN 4072-*Software Testing* (Prereq: COP3530)
- ☐ COP 4226-*Adv Windows Program* (Prereq: COP3530)
- ☐ COP 4655-*Mobile App Dev* (Prereq: CAP4104 and CEN4010)

Career Readiness

- ☐ CIS 3590-*Internship Ready Software Development* (Prereq: COP2047, Coreq: COP3337)
- ☐ CIS 4257-Empowering Emerging Tech Talent (Prereq: COP2047)
- ☐ CIS 4912-*Research Experience for Undergraduates – REU* (Prereq: Instructor permission)
- ☐ CIS 4947-*Career Readiness* (Prereq: Instructor permission)

* Prerequisites:
- COT3100: Prereq: MAC XXXX and COP XXXX (any MAC course and any COP course) Coreq:(COP2047 or COP2210 or COP 2250 or EEL2280)

↓ 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.