Computer Science 2024-2025

COP 2500C Concepts in Computer Science (3) *or* A passing score on AP Computer Science A Exam or CS Placement Test

COP 3223C Intro to Programming with C (3)

CIS 3360 Security in Computing (3)

CDA 3103C Computer Logic & Organization (3)

COP 3502C Computer Science I (3) *PR: MAC 1105 or MAC 1140*

COP 3330 Object Oriented Programming (3)

COT 3100C Intro to Discrete (3) PR: MAC 2311

COT 3960 **Passed** Foundation Exam (0) CS students must pass Foundation Exam within one-calendar year from completion of COP3502 to maintain in the program.

COP 3402 Systems Software (3)

COP 3503C Computer Science II (3)

Must have passed Foundation Exam to take courses in this box

COP 4331C Processes for Object-Oriented Software Development (3)

COP 4934 Senior Design I (3)

COP 4935 Senior Desgn II (3)

COT 4210 Discrete Computational Structures (3)

Complete 2 courses from the following:

MAP 2302 Differential Equations (3) PR: "C" or better in MAC 2313

MAC 2313 Calculus III (4) PR: "C" or better in MAC 2312

MAS 3105 Matrix and Linear Algebra (4) PR: MAC 2312

MAS 3106 Linear Algebra (4) PR: COT3100 and MAS 3105

Any 4000-5000 Math/Stat Course with STA, MAA, MAD, or MAS prefixes

Complete 2 courses from the following:

BSC 2010C Biology I (4) PR: High school biology

BSC 2011C Biology II (4) PR: "C" or better in BSC 2010C

CHM 2045C Chemistry Fundamentals I (4) PR: Chemistry Place Exam or

CHM 2046 Chemistry Fundamentals II (3) PR: "C" or better in CHM 2045C or CHM 2041

PHY 3101 Physics for Engineers and Scientists III (3) PR: MAC 2313 and PHY 2049C

Must earn a minimum of 120 unduplicated semester units (all coursework included) See degree audit section II - State of FL and University Requirement.

STA 2023 Statistical Methods I (3) PR: MAC1105

MAC 2311C Calculus I (4) *PR: MAC 1105, MAC 1114 and MAC 1140*

MAC 2312 Calculus II (4)

ENC 3241 or ENC 3250 Technical Report Writing (3) PR: ENC 1102

PHY 2048 PHY 2048L Physics I Lecture and Lab (4)

PHY 2049 PHY2049L Physics II Lec. and Lab (4)

CS Technical Electives (Not Offered in Summer)

Complete 18 hours of CS technical elective courses available at: **https://www.cs.ucf.edu/wp-content/uploads/2022/04/CSIT-Elective-List-AY2022-2023.pdf**

Overall 2.5 GPA or better required

Critical Path

** Overall GPA average 2.5 or better required in technical elective specialization area.
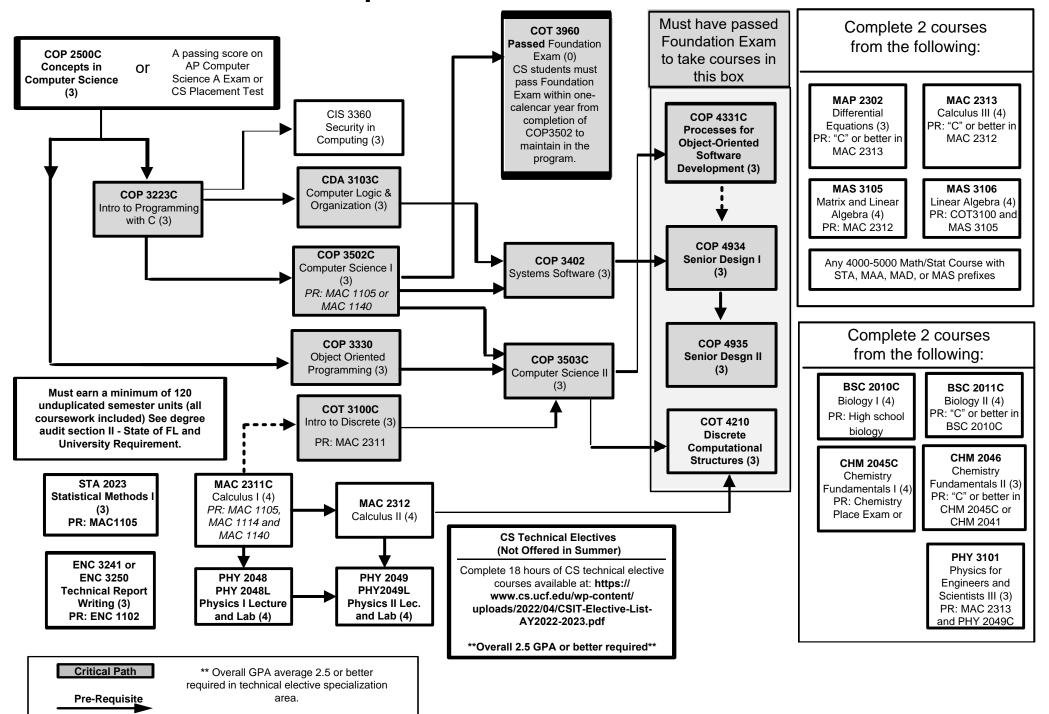
All courses require a C or better grade.

Pre-Requisite →

Co-Requisite ⇢