Undergraduate Computer Science BS Flowchart

This document should not be considered a complete representation of all degree requirements at FSU. Arrows indicate prerequisite – “co” indicates co-requisite (the classes may be taken simultaneously).

Choose one of two science tracks: Bio/Chem, or Physics.

MAC 1105 (3)  
College Algebra

MAC 1140 (3)  
Precalculus

MAC 1114 (3)  
Trigonometry

MAC 2311 (4)  
Calculus I

MAC 2312 (4)  
Calculus II

MAD 2104 (3)  
Discrete Math I

MAD 3105 (3)  
Discrete Math II

STA 4442 (3)  
Intro to Probability

COP 3363 (3)  
Programming I in Unix
Or: COP3014 (3) Programming I and COP 3353 (1) Unix

CIS 3250 (3)  
Ethics and CS

COP 3330 (3)  
Data Structures I

CDA 3100 (3)  
Computer Organization I

COT 4420 (3)  
Theory of Computation

COP 4530 (3)  
Data Structures II

CEN 4020 (3)  
Software Engineering & Capstone

PHY2048C (5)  
Gen Physics I w/lab

PHY2049C (5)  
Gen Physics II w/lab

BSC 2010 (3)  
Bio Sci I

BSC 2011 (3)  
Bio Sci II

CHM 1045C (4)  
Gen Chem I w/lab

MAC 3363 (3)  
Programming I in Unix
Or: COP3014 (3) Programming I and COP 3353 (1) Unix

CIS 3250 (3)  
Ethics and CS

COP 3330 (3)  
Data Structures I

CDA 3100 (3)  
Computer Organization I

COT 4420 (3)  
Theory of Computation

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Data Structures II

CEN 4020 (3)  
Software Engineering & Capstone

PHY2048C (5)  
Gen Physics I w/lab

PHY2049C (5)  
Gen Physics II w/lab

BSC 2010 (3)  
Bio Sci I

BSC 2011 (3)  
Bio Sci II

CHM 1045C (4)  
Gen Chem I w/lab

XXXxxxx (2-4)  
Science for Majors

CS Electives

CXX 3xxx or 4xxx Electives (6)

CXX 4xxx Upper Division Electives (12)

CIS 4900 or CXX 3xxx Elective (2)

CS 4xxx Or Advanced Math Elective (3)

CS BS majors may not take any course with a CGS prefix.

Note: CIS 3250L (1) may be taken as an Oral Communication course, or students may take a different FSU-approved Oral Communication course required for graduation.