Undergraduate Computational Biology 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).

CHM 1045C (4)  Gen Chem I w/lab
  ↓
CHM 1046C (5)  Gen Chem II w/lab
  ↓
BSC 2010 (3)  Biological Science I
  ↓
BSC 2011 (3)  Biological Science II
  ↓
PCB 3063 (3)  General Genetics
  ↓
MAC 1105 (3)  College Algebra
MAC 1114 (3)  Trigonometry
MAC 2312 (4)  Calculus II
  ↓
MAC 1140 (3)  Precalculus
MAC 2311 (4)  Calculus I
  ↓
MAD 2104 (3)  Discrete Math I
  ↓
PHY 2053C (3)  Physics I w/ lab
  ↓
PHY 2054C (3)  Physics II w/ lab
  ↓
STA 2171 (3)  Statistics for Biology
  ↓
COP 3330 (3)  Data Structures I
  ↓
COP 4530 (3)  Data Structures II
  ↓
COP 3363 (3)  Programming I in Unix
  ↓
CDA 3100 (3)  Computer Organization I
  ↓
Or: COP3014 (3) Programming I and COP 3353 (1) Unix

Approved list of electives:

- **Computer Science**: COP 3252, CEN 4020, COP 4710, COT 4420, CIS4900r
- **Biology**: BOT 4394, BSC 2010L, BSC 2011L, BSC 3402L, BSC 4613, BSC 4900r, BSC 4933, MCB 4403, MCB 4403L, PCB 3134, PCB 4701, PCB 4024, PCB 4233, PCB 4253, PCB 4674, PCB 4843
- **Math**: MAC 2312, MAC 2313, MAP 2480, MAP 4481
- **Statistics**: STA 4102, STA 4103, STA 4202, STA 4203, STA 4442, STA 4502, STA 4702

A&S Requirements

- **Foreign Lang I** (4)
- **Foreign Lang II** (4)
- **Foreign Lang III** (4)