

Computational Biology Curriculum

Computer Science: 16 hours

Core:

COP 3014 (3)

COP 3344 (1)

COP 3330 (3)

CDA 3100 (3)

COP 4530 (3)

Elective:

CXX XXXX* (3)

Biological Science: 18 hours

Core:

BSC 2010 (3)

BSC 2011 (3)

PCB 3063 (3)

PCB 4674 (3)

Electives:

XXX XXXX** (6)

Computational Science: 6 hours

Capstones:

BSC 4933# (3)

CIS 4930# (3)

Total Hours

Comp Sci 16

Biol Sci 18

Capstones 6

Math/Stat 15

Physics 8

Chemistry 9

Univ.++ 29

A & S ## 12

Electives 7

Total 120

Mathematics/Statistics: 15 hours

MAC 2311 (4)

MAC 2312 (4)

MAD 2104 (3)

STA 2171 (4)

Physics: 8 hours

PHY 2053C+(4)

PHY 2054C+(4)

Chemistry: 9 hours

CHM 1045C (4)

CHM 1046C (5)

* Chosen from CDA 3101, COP 4531, COP 4710 and COT 4420

** Chosen from BOT 4394, BSC 2010L, BSC 2011L, BSC 4613, MCB 4403/L, PCB 3134, PCB 3743, PCB 4024, PCB 4233, PCB 4253 and PCB 4843

Topics such as "Introduction to Bioinformatics" and "Biological Systems in Computer Science"

+ May be replaced with PHY 2048C(5) and PHY 2049C(5)

++ Liberal studies(26) and verbal competency(3)

Foreign language