

**UCSC Baskin School of Engineering
Bioinformatics Minor
Curriculum Chart
2005-2006**

Math

MATH 19A
Calculus

MATH 19B
Calculus

MATH 23A
Multivariable
Calculus

OR

MATH 11A
Calculus

MATH 11B
Calculus

MATH 22
Calc of Several
Variables

OR

MATH 20A
Honors Calculus

MATH 20B
Honors Calculus

MATH 23A
Multivariable
Calculus

CMPE 107* or **AMS 131**
Stochastic Probability Theory

Science

CHEM 1B/M
General Chemistry

CHEM 1C/N
General Chemistry

CHEM 108A
Organic
Chemistry

OR

CHEM 112A
Org. Chem

CHEM 112B
Org. Chem

(with the grade B or above)

BIOL 20A or BIOL 21A
Cell & Molecular Biology

BIOL 20B or BIOL 21B
Development & Physiology

BIOC 100A[†] or BIOL 100[†]
Biochemistry

Bioinformatics

BME 80G or **PHIL 145***
Bioethics Genetics Ethics

COMPLETE TWO:

AMS 162
Computer Simulated Experience

BME 109*
Resource-Efficient Programming

BME 110
Computational Biology Tools

BME 160/L
Research Prog. For Bio & Bio Chem.

BME 205
Bioinformatics

Programming

CMPS 13H
Programming
(Honors)

OR

CMPS 12A/L
Intro to
Programming

CMPS 12B/M
Data Structures

***Additional prerequisite courses required.**

A bioinformatics minor may count any of the courses for the minor toward the fulfillment of the requirements of their major.

[†] Additional prerequisite of CHEM 108B/M or CHEM 112C/N waived if grade in prior course is B or above.

UCSC BASKIN SCHOOL OF ENGINEERING
 BIOINFORMATICS MINOR
 DEGREE CURRICULUM
 2005-2006

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Student Name _____

Student ID _____

Staff Advisor's Approval: _____ Date: _____