

**UCSC Baskin School of Engineering  
Bioinformatics Minor  
Curriculum Chart  
2006-2007**

**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<sup>†</sup> or BIOL 100<sup>†</sup>**  
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.

<sup>†</sup> 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  
 2006-2007

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: \_\_\_\_\_