Bioinformatics Minor
Curriculum Chart
2008-2009

Math

MATH 19A
Calculus

MATH 19B
Calculus

MATH 11A
Calculus

MATH 11B
Calculus

MATH 20A
Honors Calculus

MATH 20B
Honors Calculus

AMS 131
Probability Theory

CMPE 107*
Stochastic

Science

CHEM 1A
General Chemistry

CHEM 1B/M
General Chemistry

CHEM 1C/N
General Chemistry

Chemistry

CHEM 108A
Organic Chemistry

CHEM 112A
Organic Chemistry

CHEM 112B
Organic Chemistry

Math

MATH 19A
Calculus

MATH 19B
Calculus

MATH 11A
Calculus

MATH 11B
Calculus

MATH 20A
Honors Calculus

MATH 20B
Honors Calculus

AMS 131
Probability Theory

CMPE 107*
Stochastic

Programming

CMPS 12A/L
Intro to Program.

CMPS 5C
Intro to Prog. C

CMPS 5J
Intro to Prog. Java

CMPS 5P
Intro to Prog. Python

CMPE 12/L
Comp. System and Assem. Lang.

CMPE 13/L
Comp System. And C Prog.

CMPS 12B/M
Data Structures

BME 160/L
Program. for Bio.

BIOE 20B
Development & Physiology

BIO 105
Genetics

Biotechnology

BME 247
Stem Cell Ethical Issues

BME 80G
Bioethics

PHIL 145*
Genetics Ethics

BME 110
Computational Biology Tools

ONE of:

AMS 132
Statistical Inference

OR

BIOC 100B
Biochemistry

OR

any upper division or graduate BME course

*additional prerequisite courses required

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