Bioinformatics Minor
Curriculum Chart
2013-2014

Math

MATH 19A
Calculus

MATH 19B
Calculus

MATH 20A
Honors Calculus

MATH 11A
Calculus

MATH 11B
Calculus

MATH 20B
Honors Calculus

AMS 131
Probability Theory

CMPE 107
Stochastic

Programming

CMPS 12A/L
Intro to Programming (Accelerated)

CMPS 5C
Intro to Prog C

CMPS 5J
Intro to Prog Java

CMPS 12B/M
Data Structures

CMPS 5P
Intro to Prog Python

CMPE 107
Comp. Systems and Assembly Language

CMPE 12/L
Comp. Systems
And C Programming

BME 160/L
Program for Bio.

ONE of:

AMS 132
Statistical Inference

OR

BIOC 100B
Biochemistry

OR

any other upper division or graduate BME course

Bioinformatics

BME 80G
Bioethics

BME 110
Computational Biology Tools

Bioinformatics

ONE of:

AMS 132
Statistical Inference

OR

BIOC 100B
Biochemistry

OR

any other upper division or graduate BME course

Science

CHEM 1A
General Chemistry

CHEM 1B/M
General Chemistry

CHEM 1C/N
General Chemistry

CHEM 108A
AND

CHEM 112A
AND

CHEM 112B
AND

CHEM 112C
AND

CHEM 108B
Org. Chem.

CHEM 110
Org. Chem.

BIOE 20B
Development and Physiology

BIOL 105
Genetics

BIOL 110
Cell Biology

BIOL 115
Eukaryotic Molecular Biology

BIO 119
Microbiology

BIO 20A
Cell & Molecular Biology

* Math 19A & 19B preferred
BIOINFORMATICS MINOR
DEGREE CURRICULUM

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Student Name ____________________________________________

Student ID ____________________________________________

Staff Advisor’s Approval: _______________________________   Date: ___________