Bioinformatics Minor
2015-2016 Curriculum Chart

Mathematics & Statistics

MATH 19A* Calculus **&** **MATH 19B*** Calculus

OR

MATH 11A Calculus with Applications **&** **MATH 11B** Calculus with Applications

OR

MATH 20A Honors Calculus **&** **MATH 20B** Honors Calculus

AMS 131 Probability Theory **OR** **CMPE 107** Probability & Statistics

AND

AMS 132 Classical & Bayesian Inference

*MATH 19A & 19B are preferred.

Programming

CMPS 12A/L Intro to Programming (Accelerated)

OR

CMPS 5J Intro to Prog. in Java **&** **CMPS 11** Intermediate Programming

OR

CMPE 12/L Comp. Systems & Assembly Language **&** **CMPE 13/L** Comp. Systems & C Programming

BME 160/L Research Programming

OR

CMPS 12B/M Intro to Data Structures

Bioinformatics

BME 80G Bioethics

BME 110 Computational Biology Tools

ELECTIVE*

_____

*As an elective, students may choose either:

- BIOC 100B *or*
- Any upper-division or graduate biomolecular engineering (BME) course.

Science

CHEM 1A General Chemistry

CHEM 1B/M General Chemistry

CHEM 1C/N General Chemistry

BIOL 20A Cell & Molecular Biology

BIOE 20B Development & Physiology

CHEM 108A Organic Chemistry

BIOC 100A Biochemistry **OR** **CHEM 103** Biochemistry **OR** **BIOL 100** Biochemistry

The bioinformatics minor is intended primarily for bioinformatics tool users who are majoring in a biological or chemical specialty. The bioinformatics minor is also appropriate for computer science or computer engineering majors who are considering graduate work in bioinformatics.

Bioinformatics Minor
2015-2016 Curriculum Chart

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Student Name:

Staff Advisor:

Faculty Advisor: