Bioinformatics Minor
2023-2024 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

*MATH 19A & 19B are preferred.

STAT 131
Probability Theory

AND

STAT 132
Classical & Bayesian Inference

OR

STAT 206
Applied Bayesian Statistics

Programming and Bioinformatics

BME 160$^{\Omega}$ (6 units)
Research Programming

BME 163(3 units)
Applied Visualization and Analysis

BME 110
Computational Biology Tools

Ω Students with no prior programming experience are advised to take CSE 20 first

Bioethics

BME 80G/ PHIL 80G
Bioethics

OR

BME 18
Sci Principles of Life

Science

CHEM 1A
General Chemistry

OR

CHEM 3A
General Chemistry

OR

CHEM 4A
Advanced General Chemistry

BIOL 20A
Cell & Molecular Biology

BME 105
Genetics
(Recommended)

OR

BIOL 105
Genetics

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.

The bioinformatics minor cannot be combined with either the Biomolecular Engineering and Bioinformatics major or Biotechnology major.

Bioinformatics Minor
2023-2024 Curriculum Chart

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Student Name:

Staff Advisor:

Faculty Advisor: