Distribution Requirements for the Minor in Bioinformatics and Computational Biology:

1. 5/3 units in BB, MA, CS, and BCB, chosen from the course lists below, with at least 1/3 unit in each of BB, CS, and MA, and no more than 2/3 unit from any of these three areas. No more than 1 course at the 1000 level may be included from any one department.

2. 1/3 unit capstone: any BCB 4000 level class. Must be taken as the last course in the minor sequence.

**MA courses**

- MA 2610 Statistics for the Life Sciences or MA 2611 Applied Statistics I
- MA 2612 Applied Statistics II
- MA 2621 Probability for Applications
- MA 2051 Ordinary Differential Equations
- MA 2631 Probability

Any course from the Advanced courses in MA list for the BCB major

**CS courses**

- CS 1101 Intro to Programming or CS 1102 Accelerated intro to Programming
- CS 2102 Object Oriented Design
- CS 2223 Algorithms

Any course from the Advanced courses in CS list for the BCB major

**BB courses**

- BB 1035 Intro to Biotechnology
- BB 1045 Biodiversity
- BB 1025 Human Biology
- BB 2920 Genetics
- BB 2950 Molecular Biology
- BB 2550 Cell Biology
- BB 2002 Microbiology
- BB 2040 Ecology

Any course from the Advanced courses in BB/CH list for the BCB major

**BCB interdisciplinary courses**

- BCB 4001 Bioinformatics
- BCB 4002 Biovisualization
- BCB 4003 Biological and Biomedical Database Mining
- BCB 4004 Statistical Methods in Genetics and Bioinformatics