Biology

Major

a. Mathematics:
   a. Mathematics 408C, 408R, or 408N and 408S. Students who intend to take additional calculus coursework should begin the sequence with Mathematics 408C or 408N.
   b. Statistics and Data Sciences 320E.

b. Primary science:
   a. Biology 206L, 311C, 311D, [325, or (315H and 325H)], Integrative Biology 370, Molecular Biosciences 320, Integrative Biology 373.
   b. Complete one of the following:
      1. Ecology, evolution, and biodiversity (4 courses total):
         - One course from the following list: Integrative Biology 364, 448L, 463L, 440L, 359L, 369F, 369L, 453L, 455L, 470L.
      2. Organismal biology and physiology (4 courses total):
      3. Genetics, genomics, and computational biology (4 courses total):
         - Three courses from the following list: Molecular Biosciences 325T, 350, 356E, 327G, 366, 366R, Biology 325L, 377, Integrative Biology 321G; Statistics and Data Sciences 322E; Marine Science 354E.
         - One course from the following list: Biology 325L, Integrative Biology 321G, Biology 377.
      4. Molecular, cell, and developmental biology (4 courses total):
         - Molecular Biosciences 350
         - One course from the following list: Molecular Biosciences 349L, 320L, 331L, 226L, 230L, 260L, 361L, Biology 377.
      5. Microbiology and infectious disease (4 courses total):
         - Molecular Biosciences 326R
         - Molecular Biosciences 226L
         - Two courses from the following list: Molecular Biosciences 330, 360K, 361, 366, 339M, 260L, 361L
      6. Biochemistry (4 courses total):
         - Biochemistry 219L
         - Biochemistry 369 or 339F
         - Molecular Biosciences 344
         - One course from the following list: Biochemistry 339M, 339J, 370, 330M.

c. Secondary science:
   i. Chemistry 301 or 301C; 302 or 302C; and 204 or 104M and 104N
   ii. Complete one of the following:
      1. Physics 302K and 105M (recommended)
      2. Physics 317K and 105M
      3. Physics 303K and 105M
      4. Physics 301 and 101L