MICROBIOLOGY MAJOR, B.S. – 2023-2024

To be admitted to full major status, students must fulfill the pre-biology course and grade-point average requirements as described in the General Catalog and Pre-Biological Sciences Major Sheet. At minimum, they must complete twelve designated courses from the Preparation for the Major with a 2.0 or higher UC grade-point average. Grades earned must meet grade prerequisites for the full major.

Note: Hyphens indicate that an entire course sequence or combination must be completed as shown to fulfill an area requirement.

PREPARATION FOR THE MAJOR

Chemistry 1A-AL-B-BL-C-CL (or 2A-AC-B-BC-C-CC) .......................................................... 15
MCDB 1A-B, EEMB 2-3, MCDB 1LL and EEMB 2LL ......................................................... 16
Chemistry 6A and 109A-B-C or 109AH-BH-CH ................................................................. 15
Mathematics 3A-B or 34A-B .................................................................................................. 8
One of the following: PSTAT 5LS or 5A or Math 4A .......................................................... 4 or 5
Physics 6A-AL-BL-C-CL ..................................................................................................... 12

UPPER-DIVISION MAJOR

48 UD units required, distributed as follows: ...................................................................... 48

I. Core Courses:
   A. Genetics: MCDB 101A-B ..............................................................................................
   B. General Microbiology: MCDB 131-131L .................................................................
   C. Bacterial Pathogenesis: MCDB 132-132L .................................................................
   D. Biochemistry: MCDB 108A (or W 108A) and 108B-C .............................................
   E. Virology: MCDB 134 ...................................................................................................
   F. Immunobiology and Medical Immunology: MCDB 133 (133L strongly recommended) or 138 (or W 138) .................................................................

II. Additional units from the following to bring the total in the UD major to 48:
    194BG, 197, 199 (a maximum of 4 units of MCDB 194BG, 197 and 199 combined can be applied);
    EEMB 111, 111H, 144, 145, either 144L or 150A (not both) ..............................................

MAJOR REGULATIONS

PREREQUISITES ..................................................................................................................
Not allowed for major courses (prep or UD), including courses applied to the major from other
departments, except up to 8 units of courses that do not allow letter grades.

SUBSTITUTIONS ..............................................................................................................
In the major requirements permissible only by petition to the department chair and dean.

G.P.A REQUIREMENTS ....................................................................................................
At least 2.0 overall UC average in all upper-division major courses and all courses (Prep and UD)
for the major.

DOUBLE MAJORS .........................................................................................................
With the approval of each department chairperson, up to a total of 8 units may be applied
simultaneously to both UD majors.