



MICROBIOLOGY MAJOR

Transfer Requirements

Microbiologists investigate the growth and characteristics of microscopic organisms such as bacteria, yeasts, other fungi, algae, protozoa, and viruses. Some are concerned with the identification and control of communicable diseases, environmental pollutants, and health hazards within the community. They analyze water supplies, food products, and clinical specimens. A bachelor's degree in microbiology is excellent preparation for a career in biotechnology, pharmacology, agriculture and the food industry. It also provides a strong background for students wishing to continue on to professional studies in medicine and other health sciences.

A college degree plus experience as an intern or trainee in a clinical laboratory are required to obtain a license as a medical technologist to be qualified for most jobs in California. Completion of the medical technology options at most universities satisfies the eligibility requirements established by the California State Department of Health and the Registry of Medical Technologists of the American Society of Clinical Pathologists (ASCP) for acceptance into a one year clinical traineeship at an approved School of Medical Technology.

UNIVERSITY OF CALIFORNIA, DAVIS (2007-2008) <http://microbiology.ucdavis.edu/>

Bachelor of Science Degree in Microbiology: Transfer students must complete Biology 101 and 102; Chemistry 1A and 1B; Math 160 and 161 **or** Math 190 and 191 before enrolling at UC Davis; Physics 2A and 2B **or** 3A and 3B; Math 150. It is highly recommended that transfer students complete Chemistry 7A and 7B before enrolling at UC Davis. To be a competitive applicant, the minimum overall GPA is 2.8

UNIVERSITY OF CALIFORNIA, IRVINE (2006-2007) <http://www.ucihs.uci.edu/microbio/>

Bachelor of Science Degree in Biochemistry and Molecular Biology: Biology 1A and 1B (Biology 101-102 articulation is pending review); Chemistry 1A, 1B, 7A, 7B; Math 190 **and** one course from 191 or Math 150 or Psychology 9A or Sociology 109; Physics 3A and 3B or Physics 1A and 1C or Physics 1A and 1B

UNIVERSITY OF CALIFORNIA, LOS ANGELES (2007-2008) www.mimg.ucla.edu

Bachelor of Science Degree in Microbiology, Immunology, and Molecular Genetics: Biology 101-102; Chemistry 1A, 1B, 7A, 7B; Math 190 and 191 **or** Math 160 and 161 and Math 3C at UCLA; Physics 3A and 3B **or** Physics 1A-1C-1D.

*Note: This major is highly selective. Students should complete at a minimum: one year of biology with laboratory, one year of general chemistry with laboratory, one year of calculus and one semester of organic chemistry with laboratory. Completion of a second semester of organic chemistry or one year of calculus-based physics is strongly recommended.

UNIVERSITY OF CALIFORNIA, SAN DIEGO (2007-2008) <http://www.biology.ucsd.edu/>

Bachelor of Science Degree in Microbiology: Biology 1A, 1B, **and** 1C (Biology 101-102 articulation is pending review); Chemistry 1A **and** 1B; Chemistry 7A and 7B will be accepted, but students must meet upper division graduation requirements for the college at UCSD. Math 190, 191, 220 or 150; Physics 3A and 3B or Physics 1A, 1B, 1C

*Note: The entire Biology sequence should be completed prior to transfer. Students who do not complete the sequence will have to complete the one year sequence at UCSD.

CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS (2007-2008) www.nbs.csudh.edu/

Bachelor of Science in Biology, Microbiology Option: Biology 101, 102; Chemistry 1A, 1B, Math 150 and Math 160 or 190; Physics 2A and 2B or Physics 1A, 1B, 1C, 1D

CALIFORNIA STATE UNIVERSITY, LONG BEACH (2007-2008)

<http://www.csulb.edu/depts/biology/pages/bsmicr.shtml>

Bachelor of Science in Microbiology: Biology 101, 102; Chemistry 1A, 1B; Math 160 or Math 190; Microbiology 33; Physics 2A- 2B or 3A-3B

CALIFORNIA STATE UNIVERSITY, LOS ANGELES (2007-2008)

<http://www.calstatela.edu/academic/biol/undergraduate.htm>

Bachelor of Science in Microbiology: English 1C; Biology 101,102; Chemistry 1A, 1B; Math 170 and 130 or 180; Physics 2A, 2B

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE (2007-2008) <http://www.csun.edu/~hfbio002/>

Bachelor of Science in Biology, Microbiology Option

Biology 101,102; Chemistry 1A, 1B; Math 150 and 190 and 191; Physics 2A and 2B

SAN DIEGO STATE UNIVERSITY (2007-2008) <http://arweb.sdsu.edu/es/admissions/ab/biology.htm>

Microbiology Major with the B.A. Degree in Liberal Arts and Sciences: Biology 101, 102; Chemistry 1A, 1B, 7A; Math 160 and 161 **or** 190 and 191; Physics 2A, 2B. The B.A. degree requires a minimum of 26 upper division units and a 3rd course in a Foreign Language. Recommended languages are French, German or Russian. This major is impacted, students should have a minimum GPA of 2.7 in the prerequisites with a “C” or higher and a cumulative GPA of 2.6 to be competitive for admission.

Microbiology Major with the B.S. Degree in Applied Arts and Sciences:

Biology 101, 102; Chemistry 1A, 1B, 7A; Math 160 and 161 **or** 190; Physics 2A, 2B; this major is impacted, students should have a minimum 2.7 GPA in the prerequisites with a grade of “C” or higher and an overall GPA of 2.6 to be competitive for admission.

Recommended Website:

www.asm.org — American Society for Microbiology

<p>Information provided is subject to change without notice. Please access www.assist.org for the most current articulation information.</p>
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