

## Microbiology Lecture/Lab: Local Community College Courses

Community College	Course Name	Units	Lecture/Lab?	Notes
<b>Diablo Valley College</b> Pleasant Hill, CA (51 miles)	<b>BIOSC 146: Principles of Microbiology</b> This course covers the principles of microbiology with a molecular emphasis. Topics include microscopy and staining, cell structure and function, cell biochemistry and metabolism, culture and control of microbes (with an emphasis on sterile technique), microbial genetics, biotechnology concepts and applications, classification and identification of microbes, immunology, medical microbiology and microbes in the environment.	5 semester units 7.5 quarter units	Lecture and lab	Prerequisites: CHE 2A and 2B
<b>Los Rios Community College District</b> Includes: <b>American River College</b> Sacramento, CA (26 miles) <b>Consumes River College</b> Sacramento, CA (26 miles) <b>Folsom Lake College</b> Folsom, CA (40 miles) <b>Sacramento City College</b> Sacramento, CA (19 miles)	<b>BIOL 440: General Microbiology</b> This course introduces the concepts of microbiology with an emphasis on forms, modes of growth, cell specialization, mutual, commensal and parasitic relationships of bacteria, fungi, molds, protozoa and viruses. Topics will be correlated with medical and health applications to animals and human beings.	4 semester units 6 quarter units	Lecture and lab	Prerequisites: CHE 2A and 2B
<b>Napa Valley College</b> Napa, CA (43 miles)	<b>BIOL 220: General Microbiology</b> Morphology, metabolism, molecular genetics and ecology of bacteria, fungi, viruses, helminths and protozoa. Extensive laboratory work includes aseptic techniques, methods of cultivation, identification and enumeration of bacteria, examination of biochemical characteristics and molecular biology techniques using common bacteria. Primarily intended for students pursuing degrees in a health sciences field or majoring in biological sciences.	5 semester units 7.5 quarter units	Lecture and lab	Prerequisites: BIS 2A and 2B
<b>San Joaquin Delta College</b> Stockton, CA (59 miles)	<b>BIOL 023: General Microbiology</b> This course is the study of the nature and activities of microorganisms and their relationships to human life and human interest. The laboratory activities include bacteriology and mycological techniques, demonstration of physiological activities, isolation, and identification of microorganisms, a student designed independent experiment and may include field trips to demonstrate practical applications.	5 semester units 7.5 quarter units	Lecture and lab	Prerequisites: CHE 2A and 2B
<b>Sierra College</b> Rocklin, CA (38 miles)	<b>BIOL 0004: Microbiology</b> Introduction to the biochemistry, morphology, physiology, genetics, and classification of microorganisms. Emphasis on the significance of microorganisms to human health and global ecology. Laboratory topics include traditional and modern techniques of microbial classification, recombinant DNA technology, and bacteriophage biology.	5 semester units 7.5 quarter units	Lecture and lab	Prerequisites: CHE 2A and 2B
<b>Solano Community College</b> Fairfield, CA (32 miles) Vacaville, CA (15 miles) Vallejo, CA (39 miles)	<b>BIO 014: Principles of Microbiology</b> The study of the morphology, physiology, genetics, taxonomy, and ecology of microorganisms. The course also includes principles of immunology, the control of microbes, and their relationship to disease. Laboratory exercises cover microscopy, staining, aseptic techniques, identification, and microbial growth among others.	4 semester units 6 quarter units	Lecture and lab	Prerequisites: CHE 2A and 2B
<b>Yuba College</b> Marysville, CA (54 miles)	<b>BIOL 6: Introductory Microbiology</b> History, structure, metabolism, genetics, and ecology of microscopic life forms; their relationship to disease, immunology, agriculture, and industry. Laboratory emphasizes the development of techniques for the detection, isolation, and identification of both harmless and pathogenic species.	4 semester units 6 quarter units	Lecture and lab	Prerequisites: BIS 2A and 2B
<b>Woodland Community College</b> Woodland, CA (11 miles)	<b>BIOL 6: Introductory Microbiology</b> History, structure, metabolism, genetics, and ecology of microscopic life forms; their relationship to disease, immunology, agriculture, and industry. Laboratory emphasizes the development of techniques for the detection, isolation, and identification of both harmless and pathogenic species.	4 semester units 6 quarter units	Lecture and lab	Prerequisites: BIS 2A and 2B

- Always double check the nursing/PA school's websites that you plan to apply to see if the courses you plan to take/have taken fulfill their requirements.
- There may be more courses from each institution that fulfill individual nursing/PA school's requirements, please double check requirements.
- If you plan to use any of this coursework for major or degree requirements please double check with your major advisor.
- Please be aware of "and"s and "or"s.

Last updated: 1/2021