

MICROBIOLOGY



Microbiologists study the structure, function and environmental importance of bacteria, algae, microbial eukaryotes, viruses, yeasts and other fungi.

Advances in microbiology have had great impact in areas such as biotechnology, environmental studies, medicine and veterinary science. A degree in microbiology will prepare you for graduate studies or a career in any of these exciting fields.



UC DAVIS

COLLEGE OF BIOLOGICAL SCIENCES

WITH A DEGREE IN MICROBIOLOGY, YOU WILL BE ABLE TO:

- Describe the structural unity of microbial life
- Explain how biodiversity is generated and perpetuated
- Explain how microbes thrive in a wide range of environmental conditions
- Demonstrate how genetics and biochemistry inform the organization and function of microorganisms
- Use classical, molecular and genomic methods to identify microorganisms
- Explain and use current microbiological practices in a laboratory
- Evaluate how microorganisms interact with other life on our planet
- Demonstrate scientific quantitative skills
- Communicate scientific data and ideas

MICROBIOLOGY COURSE REQUIREMENTS:

Foundation courses: BIS 2ABC; MAT 17ABC or 21AB; CHE 2ABC; CHE 8AB or 118ABC; PHY 7ABC; STA 100 or 102

Depth subject courses: BIS 101, 102+103 or 105, 104; MIC 104, 104L, 105, 105L

A chosen area of study:

- Molecular Microbiology: MIC 115, 150, or 170
- Medical Microbiology: MIC 162, MMI 188, PMI 126 or PMI 128

Units of restricted electives in select courses (BIS, MCB, PLP, PLS, PMI, SSC): 8-12

Units required for B.A. degree: 101-111 units
required for B.S. degree: 80-92

FOR MORE INFORMATION:

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