



Photo credit: David Galvez

CONNECT WITH US

Cal Day

Come to UC Berkeley's annual **Open House** in April for information sessions, campus tours, special talks, and more.

Golden Bear Orientation

Join your peers in the campus-wide UC Berkeley **orientation** program for all new students.

Events

Attend department events with students, faculty, and staff. Visit nature.berkeley.edu for news and updates.

ADVISING

The Undergraduate Advisors for all Rausser College majors are located in the Office of Instruction and Student Affairs in 260 Mulford Hall.

Staff advisors provide support and assistance in completing the Microbial Biology major and preparing for after graduation. Visit nature.berkeley.edu/advising/meet-rausser-advisors for detailed office hours and appointment booking links. You may email general advising questions to pmb.ugrad@berkeley.edu.

Peer advisors are available for advising class content, planning help, and answering general questions. Declared students can meet with a **faculty advisor**—professors who advise on the department, courses, research, and academic issues.

HOW TO USE THIS MAP

Use this map to help plan and guide your experience at UC Berkeley, including academic, co-curricular, and discovery opportunities. Everyone's Berkeley experience is different and activities in this map are suggestions. Always consult with your advisors whenever possible for new opportunities and updates.

Visit ue.berkeley.edu/majormaps for the latest version of this major map.

Berkeley

Rausser College of Natural Resources

260 Mulford Hall # 3100
Berkeley, CA 94720-3100
nature.berkeley.edu

MICROBIAL BIOLOGY

Bachelor of Science

Berkeley
UNIVERSITY OF CALIFORNIA

INTRODUCTION TO THE MAJOR

Microbial Biology focuses on the study of small life forms such as microbes, viruses, and fungi that make up the majority of planetary biomass.

The Department of Plant and Microbiology offers a major in **Microbial Biology**, as well as in **Genetics and Plant Biology**. The Microbial Biology major investigates interactions between microorganisms and the environment to determine the role microbes play in maintaining the health of our biosphere. Classes range in content, and include Virology, California Mushrooms, Plant Genetics, and Modern Applications of Plant Biotechnology.



Photo credit: Elena Zhukova

“**MB's versatile curriculum allows me to pursue computational bio with a strong micro bio foundation in a small college with lower student counts.**”

– Jason Chang, MB student

EMPHASES IN MICROBIAL BIOLOGY

All Microbial Biology students complete the same lower division coursework to gain critical training in biology, mathematics, chemistry, and physics. Upon declaring the major, MB students choose an emphasis, or concentration, which determines their upper division core courses and elective courses. There are five emphases in Microbial Biology:

- Host-Pathogen Interactions
- Evolution/Computational Microbiology
- Ecology & Environmental Microbiology
- Microbial Biotechnology
- General Microbiology (design your own)

AMPLIFY YOUR MAJOR

- Take advantage of **summer research opportunities** in Berkeley or beyond.
- Build your community by joining clubs and organizations such as the **Cal AMEBA**.
- Conduct research and present your findings by applying to the **Rausser College Honors Program**.

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DESIGN YOUR JOURNEY

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