



Photo credit: Natalea Schager

## 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](http://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](http://nature.berkeley.edu)

## 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](http://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.

Visit [nature.berkeley.edu/advising/meet-rausser-advisors](http://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](mailto:pmb.ugrad@berkeley.edu).

# GENETICS AND PLANT BIOLOGY

Bachelor of Science

## INTRODUCTION TO THE MAJOR

The **Genetics and Plant Biology** major is a broad based program emphasizing the study of plants from the molecular and genetic to organismal levels. The lower division coursework provides students with a foundation in biological and physical sciences as preparation for advanced study at the upper division level and in their concentration. The Department of Plant and Microbial Biology provides a rich and supportive environment for learning, and coursework from the department can be used as a foundation for applications to medical school.



Photo credit: Julie Gipple

“ GPB is technical information that’s applicable to real post-grad jobs! I’ve learned about so much that directly translates to lab work, research, and real life. ”

– Julia Sherman, GPB Junior

## MAJOR CONCENTRATIONS

Students in the Genetics and Plant Biology major have the opportunity to pursue one of four concentrations through their elective coursework: (1) biotechnology and bioenergy, (2) plant diversity and evolution, (3) plant genetics, genomes, or (4) bioinformatics, and plant-microbe interactions.

## AMPLIFY YOUR MAJOR

- Get involved in a **student group** such as Microbial Sciences Association or **Planty Social**.
- Apply for a research position through the **SPUR** program and present at a college **poster session**.
- Fund travel for academic conferences or research with a **Rausser College Travel Grant**.
- Carry out a research project under the guidance of a faculty mentor through the **Rausser College Honors Program**.

# GENETICS AND PLANT BIOLOGY

Bachelor of Science

DESIGN YOUR JOURNEY

Berkeley  
UNIVERSITY OF CALIFORNIA



## WHAT CAN I DO WITH MY MAJOR?

### Jobs and Employers

Analyst, Cornerstone Research  
Lab Tech, Foriphyte  
Research Asst., LBNL  
Res. Assoc., Innovative Genomics Inst.

### Graduate Programs

Biochemistry, PhD  
Horticultural Science, Masters  
Molecular Biology, PhD  
Plant Biology, PhD  
Soil Science & Agronomy, Masters

Examples gathered from the **First Destination Survey** of recent Berkeley graduates.