INTRODUCTION TO THE MAJOR

The Molecular Environmental Biology major (MEB) introduces students to the organization and function of biological organisms at the molecular, cellular, organismal, and ecological levels. Students learn how to apply biological principles to understand how organisms function in their environment.

MEB graduates acquire a broad foundation across a breadth of biological core areas, which gives them especially valuable scientific training. A classic pre-medical or pre-health science major, MEB prepares students well for graduate education in pre-health fields and in biological research, as well as a variety of careers related to biology and the environment.

AMPLIFY YOUR MAJOR

• Apply to the Sponsored Project for Undergraduate Research (SPUR) program to pursue joint research with a faculty member.
• Conduct field research in French Polynesia through the Moorea program.
• Present your research at a CNR-sponsored Poster Session.

STRUCTURE OF THE MEB MAJOR

The lower division coursework provides a strong foundation in biological principles, and the upper division areas introduce students to the organization and function of biological organisms at the molecular, cellular, organismal, and ecological levels.

The major also offers specialization through six Areas of Concentration: 1) animal health and behavior, 2) biodiversity, 3) ecology, 4) environmental and human health, 5) insect biology, and 6) global change biology.
# MOLECULAR ENVIRONMENTAL BIOLOGY

## Bachelor of Science

### Design Your Journey

#### FIRST YEAR
- **Explore your major**
  - Familiarize yourself with **MEB major requirements**.
  - Meet with the MEB undergraduate adviser and sketch out a four-year plan.
  - Enroll in a **Freshman Seminar** or **DeCal**.
  - Consider taking some lower division courses over the summer.

#### SECOND YEAR
- **Connect and build community**
  - Take advantage of CNR's **Student Resource Center** for a supportive environment for academics and daily student life.
  - Get involved with one of the many **student groups** at CNR.
  - Get 1:1 mentoring from graduate students with **Berkeley Connect**.

- **Discover your passions**
  - Apply for a research position through the **SPUR** program.
  - Visit the **Office of Undergraduate Research and Scholarships** to learn about student programs and resources.
  - Explore the **Berkeley Natural History Museums**.

- **Engage locally and globally**
  - Learn about service and leadership opportunities with the **Public Service Center** and **LEAD Center**.
  - Explore study abroad options with **Berkeley Study Abroad**.

#### THIRD YEAR
- **Connect and build community**
  - Get to know **CNR peer advisors**.
  - Attend **Student Environmental Resource Center** meetings to engage with sustainability issues on campus.
  - Get to know professors and graduate student instructors during their office hours.

- **Discover your passions**
  - Apply for a new SPUR project or the **Undergraduate Research Apprenticeship Program**.
  - Go to faculty office hours to learn about research and opportunities for collaboration.
  - Consider applying to **NSF REU Programs** and follow a **Course Thread** of your interest.

- **Engage locally and globally**
  - Go to events and seminars held on campus to learn about current research.
  - Look into **study abroad** programs if you are interested in conducting field work abroad.
  - Apply for internships or shadowing opportunities.

#### FOURTH YEAR
- **Explore**
  - Check out the **MEB Career Snapshot** for information about career options.
  - Create a **LinkedIn** profile and resume.
  - Connect with alumni through the **Career Connection Series** and **Cal Alumni Externship program**.

- **Reflect and plan your future**
  - Attend a **job search essentials workshop**.
  - Conduct informational interviews with people in careers you are curious about.
  - Take advantage of **special advising** in MEB on career resources and opportunities.

### WHAT CAN I DO WITH MY MAJOR?
- **Jobs and Employers**
  - Analyst, East Bay Regional Parks
  - Comm. Health Fell., Horseshoe Farm
  - Field Technician, UC Berkeley
  - Lab Assistant, UC Berkeley
  - Ophthalmic Tech., East Bay Retina
  - Research Assistant, LBNL
  - Research Assoc., Gladstone Institutes

- **Graduate Programs**
  - Dentistry
  - Ecology
  - Education
  - Entomology
  - Medicine
  - Molecular Biology
  - Nursing
  - Optometry
  - Physician Assistant
  - Public Health
  - Toxicology
  - Veterinary Medicine
  - Zoology

### Career Destinations Survey
Examples gathered from the **Career Destinations Survey** of recent Berkeley graduates.

### Updated Last: 07/21/2019