INTRODUCTION TO THE MAJOR

The Molecular Environmental Biology (MEB) major 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 Rausser College-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 is a fantastic way to get a taste of everything Cal has to offer in terms of biology. Animals, insects, microbes, plants—you name it. 

– Jonathan Huang, MEB student