

PLANT BIOLOGY



Plants are the primary source of food on the planet as well as important buffers against climate change.

The plant biology major focuses on how plants function as organisms and interact with their environment. Many different scientific disciplines are integrated within the plant biology major, including physiology, cell and molecular biology, biochemistry, development, genetics and genomics. A degree in plant biology prepares you for research, teaching or service careers in any aspect of the life sciences (including health fields) and for graduate programs in the biological sciences.



UC DAVIS

COLLEGE OF BIOLOGICAL SCIENCES

WITH A DEGREE IN PLANT BIOLOGY, YOU WILL BE ABLE TO:

- Describe the molecular and structural unity of all life
- Explain how the diversity of life is generated, perpetuated and exemplified among and within life's three domains
- Incorporate an evolutionary perspective to describe how plants develop from a single cell to a complex organism
- Demonstrate how genetics and biochemistry inform the organization and function of cells
- Communicate scientific data in standard format
- Evaluate experimental design, read graphs, and use information from scientific papers
- Explain how plants sense and respond to environmental cues

PLANT BIOLOGY COURSE REQUIREMENTS:

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

Depth subject courses: BIS 101, 102+103 or 105, 104; PLB 105, 111, 112

Research units required; 15 units of restricted electives

Units required for B.S. degree: 99 to 111

Consider a plant biology minor!

Since plants are a valuable model system for research in molecular genetics, cell biology and biochemistry, plant biology makes an excellent minor or second major for students in these fields.

FOR MORE INFORMATION:

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