BIOLOGICAL & AGRICULTURAL ENGINEERING

College of Agricultural & Environmental Sciences

Fadi Fathallah, Ph.D., Chair of the Department; term ends June 30, 2026

Department Office

2030 Bainer Hall; 530-752-0102; Biological & Agricultural Engineering; Faculty (https://bae.ucdavis.edu/people/)

Major Programs & Graduate Study

For the Bachelor of Science program, see the major in Biological Systems Engineering (https://catalog.ucdavis.edu/departments-programs-degrees/biological-agricultural-engineering/biological-systems-engineering-bs/); for graduate study, see also Graduate Studies (http://gradstudies.ucdavis.edu/).

Minor Programs


The minor in Geographic Information Systems (https://catalog.ucdavis.edu/departments-programs-degrees/biological-agricultural-engineering/geographic-information-systems-minor/) is open to all majors, including those in engineering. This minor is for students interested in information processing of spatial data related to remote sensing for geographical and environmental planning and related areas.

The minor in Precision Agriculture (https://catalog.ucdavis.edu/departments-programs-degrees/biological-agricultural-engineering/precision-agriculture-minor/) is open to all majors, including those in engineering, and acquaints students with recent developments and their applications to agriculture, in geographic information systems, global positioning systems, and variable rate technologies.


Courses


• Agricultural & Environmental Technology, Bachelor of Science (https://catalog.ucdavis.edu/departments-programs-degrees/biological-agricultural-engineering/agricultural-environmental-technology/)
• Biological Systems Engineering, Bachelor of Science (https://catalog.ucdavis.edu/departments-programs-degrees/biological-agricultural-engineering/biological-systems-engineering-bs/)
• Biological Systems Engineering, Bachelor of Science/Master of Science Integrated (https://catalog.ucdavis.edu/departments-programs-degrees/biological-agricultural-engineering/biological-systems-engineering-bs-ms-integrated/)
• Biological Systems Engineering, Master of Engineering (https://catalog.ucdavis.edu/departments-programs-degrees/biological-agricultural-engineering/biological-systems-engineering-me/)
• Biological Systems Engineering, Master of Science (https://catalog.ucdavis.edu/departments-programs-degrees/biological-agricultural-engineering/biological-systems-engineering-ms/)
• Biological Systems Engineering, Doctor of Philosophy (https://catalog.ucdavis.edu/departments-programs-degrees/biological-agricultural-engineering/biological-systems-engineering-phd/)
• Energy Policy, Minor (https://catalog.ucdavis.edu/departments-programs-degrees/biological-agricultural-engineering/energy-policy-minor/)
• Precision Agriculture, Minor (https://catalog.ucdavis.edu/departments-programs-degrees/biological-agricultural-engineering/precision-agriculture-minor/)