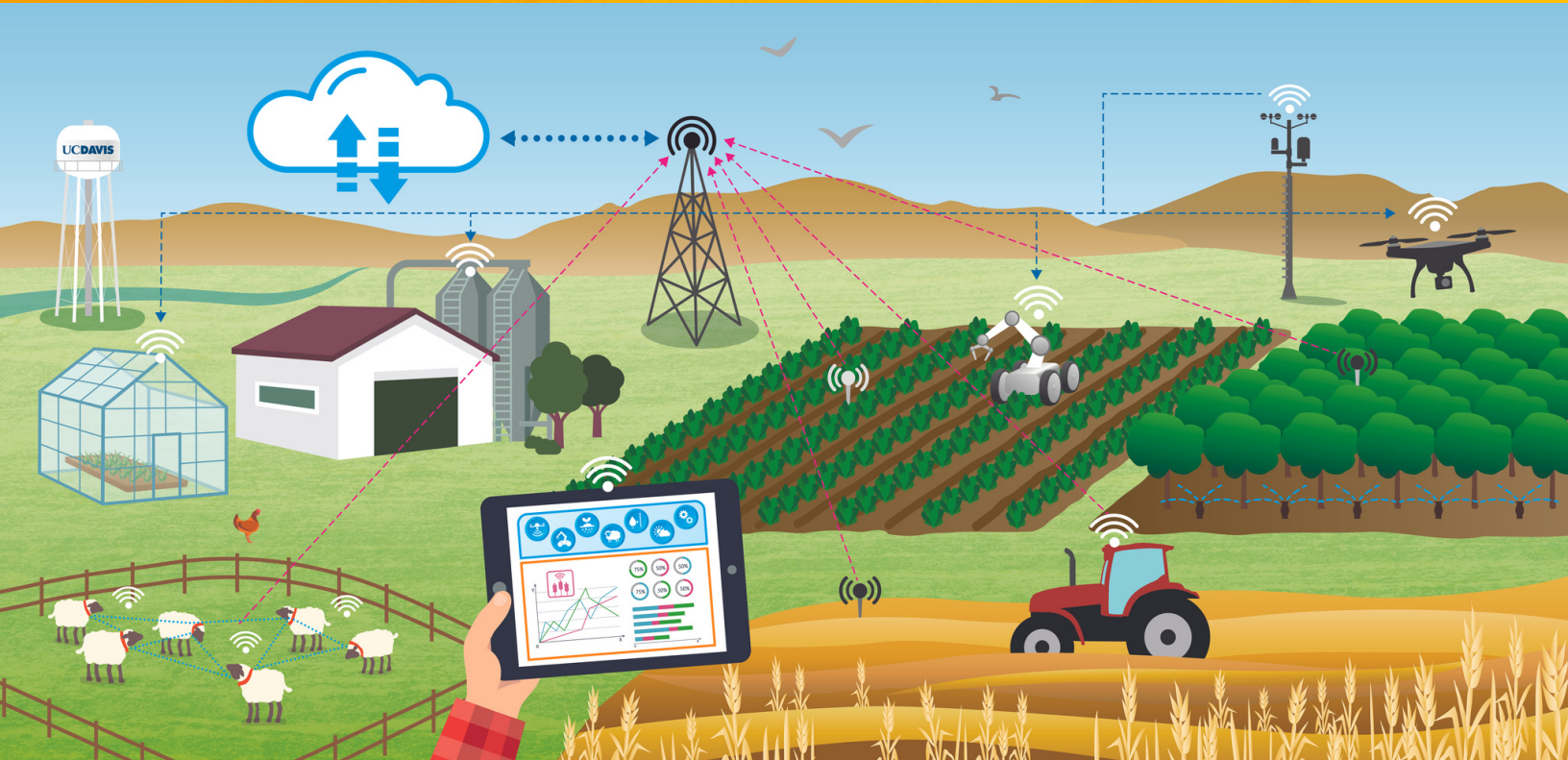


Agricultural and Environmental Technology

A New Undergraduate Major



Department of Biological and Agricultural Engineering

<https://bae.ucdavis.edu/>

UCDAVIS





The **Agricultural & Environmental Technology (AET)** major aims to bridge the disciplines of agriculture, management, technology, and applied engineering, and to train students in integrating technology, leadership, and design in solving complex problems in the agricultural and environmental sciences.

Employment opportunities include managers and entrepreneurs to bridge between science, engineering, and application, skilled operators to interface with smart machines and smart technologies, and scholars and educators to help train others. AET students are also prepared to pursue graduate study in agricultural technology, data science, life sciences, and related fields.

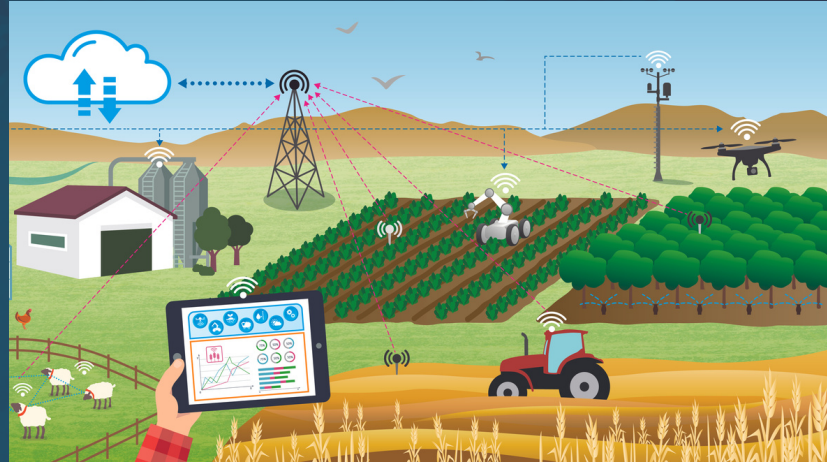
CAREERS:

- Precision Ag/Digital Ag Specialist
- Technology Integrator
- Tech Entrepreneur
- Farm Owner/Manager
- Environmental Consultant
- Business Manager
- Plant Supervisor
- Energy Conservation Specialist
- Product Manager
- Extension Associate

Specializations/Tracks

DIGITAL AGRICULTURE

The Digital Agriculture track provides the education, experiential learning, and training for students to study automation, artificial intelligence, robotics, drone technologies, data management, smart agricultural machinery, remote sensing, and precision agriculture, aimed to promote crop production and improve environmental, social, and economic sustainability.



BIOPRODUCTS AND WEARABLE TECHNOLOGIES

The Bioproducts and Wearable Technology track provides students with training at the nexus of biological materials science, bio-based product development, and soft materials engineering to develop learning in bioproducts and wearable technologies and how they relate to and facilitate the design and development of renewable resources for societal needs.



ENERGY AND ENVIRONMENTAL TECHNOLOGIES

The Energy and Environment track provides instruction and experiential learning for students to study sustainable energy technologies, including solar thermal, solar photovoltaic, wind, water, biomass, geothermal, and other renewable technologies-and potential applications, and environmental implications of energy systems.



DEPARTMENT OF BIOLOGICAL AND AGRICULTURAL ENGINEERING (BAE)

WITH OVER 100 YEARS OF ACADEMIC EXCELLENCE, OUR DIVERSE FACULTY PUSH THE BOUNDARIES IN BIOLOGICAL AND AGRICULTURAL ENGINEERING. WE ARE COMMITTED TO WORKING TOGETHER TO SOLVE THE WORLD'S BIGGEST CHALLENGES AND SECURE AN ENVIRONMENTALLY SUSTAINABLE FUTURE.

100
YEARS
1915 - 2015

BAE Facts & Figures



Renowned agricultural program established in 1915



29 faculty members



1st and 3rd national ranking in undergraduate and graduate programs



2 National Academy of Engineering members



128 undergraduate students



\$9.6 million research expenditures



66 graduate students



Home of the patented Rollover Protection Structure

100 UCDAVIS
YEARS **BIOLOGICAL AND AGRICULTURAL**
1915 - 2015 **ENGINEERING**

UCDAVIS
COLLEGE OF AGRICULTURAL
AND ENVIRONMENTAL SCIENCES

