DIVISION OF AGRICULTURE
RESEARCH & EXTENSION
University of Arkansas System

UNIVERSITY OF ARKANSAS
College of Engineering

Department of Biological and Agricultural Engineering
Strategic Plan

Vision

Become a leading Biological and Agricultural Engineering Department in the nation, providing engineering expertise to the public to build sustainable water, food and energy systems. Our programs will significantly contribute to the quality of life, economic development, and environmental stewardship for Arkansas and the world.

Strategic Goals

Enhance the Research Program in sustainable water, food, energy and related systems
Increase Economic Development Through Technology Transfer
Graduate competent engineers for sustainable water, food, energy, and related systems
Graduate professionals competent in conducting research in sustainable water, food, energy, and related systems
Deliver High Impact Extension, Tech Transfer & Outreach Program in sustainable water, food, energy and related systems
Improve Faculty/Staff Development

Objectives and Metrics

Strengthen and continue to grow a prolific basic and applied research program	Improve the technology transfer/ commercialization program	Improve undergrad student quality for future engineers for the living systems	Enhance the graduate education program to train students for future challenges	Improve extension program to support and educate the citizens of Arkansas	Provide opportunities for faculty and staff professional development
• Number and value of research proposals submitted • Grants, contracts, gifts, and other resources secured • Scholarly productivity indicated by peer-reviewed journal publications • Awards and recognitions at all levels received	• Patent filings & issued. • Startup companies, licensing agreements based on UAS IP • SBIR/STTP grants received • Private investment to UA owned startup companies for commercialization • New products created and sold based on UAS IP • Jobs created from products stemming from UAS IP. • Licensing income to UAS	• Enrollment and diversity • FE exam participation rate • Awards in undergrad competition at local, regional, and national levels • Undergrad graduation and career placement rate • Undergrad retention rate • Teaching evaluation scores • Undergrad student credit hours generated • Undergrad ACT/GPA scores	• Number of grad students (enrolled/graduated, PhDs in particular) • Student honors, awards, scholarships, fellowships • Number of peer-reviewed pubs (student coauthors) • Funding (from all sources) to support graduate students • Post degree placement • Number of presentations by grad students at national and international meetings	• Development of D of A education materials • Grants, contracts, gifts, and other resources secured • Behavioral changes of clientele due to education • Better farming practices as a result of education and technology transfer • Collaborations in resource use with all stakeholders • Number of high impact extension outcomes	• Professional development events, CPD, PE licensure & certification, attended per FTE for faculty and staff • Number of OCDA pursued by faculty • Staff receiving continuing education, advanced degrees, & training • Number of faculty promoted and/or tenured • Number of faculty under active mentoring program

Preparing You Today to Face the Challenges in Building a Sustainable World Tomorrow