

**Vision**

Become a leading Biological and Agricultural Engineering Department, providing engineering expertise to Arkansans and the world to create 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 nation.

**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**

<p><b>Strengthen and continue to grow a prolific basic and applied research program</b></p>	<p><b>Improve the technology transfer/commercialization program</b></p>	<p><b>Improve undergraduate student quality for future engineers for living systems</b></p>	<p><b>Enhance the graduate education program to train students for future challenges</b></p>	<p><b>Improve extension programs to support and educate the citizens of Arkansas</b></p>	<p><b>Provide opportunities for faculty and staff professional development</b></p>
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**Metrics**

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| <ul style="list-style-type: none"> <li>• Number and value of research proposals submitted</li> <li>• Grants, contracts, gifts, and other resources secured</li> <li>• Scholarly productivity indicated by peer-reviewed journal publications</li> <li>• Awards and recognitions at all levels received</li> <li>• Technical products</li> </ul> | <ul style="list-style-type: none"> <li>• Patent filings &amp; issued</li> <li>• Startup companies and licensing agreements based on UA intellectual property</li> <li>• Licensing income to UA</li> </ul> | <ul style="list-style-type: none"> <li>• Enrollment and diversity</li> <li>• FE exam participation rate</li> <li>• Awards in undergrad competitions</li> <li>• Undergrad graduation and career placement rate</li> <li>• Undergrad retention rate</li> <li>• Teaching evaluation scores</li> <li>• Undergrad SSCH generated</li> <li>• ACT scores and undergraduate GPA</li> </ul> | <ul style="list-style-type: none"> <li>• Graduate students enrolled and graduated</li> <li>• Student fellowships, honors, awards and scholarships</li> <li>• Peer-reviewed pubs (student coauthors)</li> <li>• Funding to support graduate students</li> <li>• Post-degree placement</li> <li>• Presentations by grad students at national and international meetings</li> <li>• Graduate courses taught</li> <li>• Graduate SSCH generated</li> </ul> | <ul style="list-style-type: none"> <li>• Extension education materials and web-hits</li> <li>• Grants, contracts, gifts, and other resources secured</li> <li>• In-service training programs offered</li> <li>• Number of high impact extension outcomes</li> </ul> | <ul style="list-style-type: none"> <li>• Professional development events, CPD, PE licensure &amp; certification, attended per FTE for faculty and staff</li> <li>• Number of OCDA pursued by faculty</li> <li>• Staff receiving continuing education, advanced degrees, &amp; training</li> <li>• Number of faculty promoted and/or tenured</li> <li>• Number of faculty under active mentoring program</li> </ul> |
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