



**KENTUCKY STATE
UNIVERSITY**

BIOLOGICAL AND AGRICULTURAL ENGINEERING

About Us

Welcome to the Biological and Agricultural Engineering Program at Kentucky State University! Our program will prepare individuals to apply fundamental knowledge of biological and physical sciences, mathematics, and engineering principles to formulate and solve engineering problems. Engineering design is integrated throughout the curriculum, along with opportunities to develop communication, learning, and teamwork skills, culminating in a capstone design experience. In addition, student would require to gain summer internship experience starting from sophomore year until graduation. In order to be successful biological and agricultural engineers, students need to acquire a set of skills, knowledge, and behaviors as they progress through the curriculum.

Our faculty members are experts in their respective fields and passionate educators and mentors committed to student success. With small class sizes, we ensure personalized attention and a collaborative atmosphere where students can thrive.

Mission

The mission of the Biological and Agricultural Engineering (BAE) program at Kentucky State University is to cultivate a diverse and inclusive learning environment that empowers students to become innovative leaders in the fields of biological and agricultural engineering. We are committed to excellence in education, research, and outreach, focusing on sustainable practices, advanced technologies, and interdisciplinary collaboration to address global challenges in agriculture, environmental sustainability, and human health.

Vision

Our vision is to be a nationally recognized leader in biological and agricultural engineering education and research. We strive to inspire and prepare our students to make significant contributions to society by promoting sustainable solutions, advancing technological innovations, and enhancing the quality of life through the integration of engineering and biological sciences.

Core Values

1. Excellence in Education: We are dedicated to achieving the highest standards in education, research, and service, fostering a culture of continuous improvement and innovation.
2. Sustainability: We prioritize sustainable practices and solutions that ensure the long-term health and viability of our natural and agricultural systems.
3. Integrity: We uphold the highest ethical standards in all our endeavors, promoting honesty, transparency, and accountability.

4. Diversity and Inclusion: We value and promote diversity in our community, ensuring an inclusive environment where all individuals feel respected and valued.
5. Collaboration: We encourage interdisciplinary collaboration and partnerships to address complex challenges and drive innovation in biological and agricultural engineering.
6. Student-Centeredness: We are committed to providing a supportive and enriching educational experience that prioritizes the academic and personal growth of our students.
7. Community Engagement: We actively engage with local, regional, and global communities to share knowledge, address real-world problems, and contribute to the well-being of society.
8. Lifelong Learning: We encourage continuous personal and professional development, fostering a passion for lifelong learning and adaptation in a rapidly evolving world.