Biosystems engineers ensure that we have the necessities of life: a safe and plentiful supply of food and fiber, clean water to drink, renewable fuels and alternative energy sources and a safe and healthy environment. Auburn biosystems engineering graduates apply engineering to the challenges and opportunities presented by living ecosystems and the natural environment.

Auburn University’s Department of Biosystems Engineering, one of nine departments in the Samuel Ginn College of Engineering, boasts the only biosystems, forest, bioprocess and ecological engineering curricula in Alabama. Since its beginning in 1919, the department has been providing engineering solutions to advance the economic and environmental well-being of Alabama’s citizens, as well as those around the world. With dynamic growth of faculty and students, the department will continue to serve the state well beyond the 21st century.

Areas of study include:
- Bioenergy and Bioproducts engineering
- Food Safety Engineering
- Water Resources Engineering
- Biological Waste Management
- Robotics, Automation, and Precision Agriculture
- Livestock/Poultry Production Precision Technologies

Bioprocess Engineering
The bioprocess engineering option focuses on the technologies used for converting biological materials to value-added products. Courses satisfy most requirements for students interested in health-related professions such as medicine, pharmacy, dentistry and veterinary medicine.
LIFE AFTER GRADUATION

SCHOLARSHIPS

The College of Engineering and the Department of Biosystems Engineering provide scholarship opportunities to students at every stage of their academic career. To be eligible for scholarships at Auburn University, all students must apply through the AUSOM system.

For information about engineering scholarships, visit www.eng.auburn.edu/scholarships

RESEARCH, LABORATORIES AND CENTERS

Biosystems engineering provides its students with opportunities for research in many different areas within the field. Broad faculty expertise, combined with the department’s quality teaching and state-of-the-art equipment, ensures that students obtain a thorough understanding of biosystems engineering. Research facilities include:

- Advanced Biological Systems Laboratory
- Aquaponics/Hydroponics Research and Demonstration Laboratory
- Bioanalytical Laboratory
- Biosystems Automation Laboratory
- Biomaterials Characterization Laboratory
- Biomaterials Processing and Conversion Laboratory
- Bioprocess Engineering Laboratory
- Center for Advanced Science, Innovation, and Commerce
- Center for Bioenergy and Bioproducts
- Chemical Analysis Laboratory
- Computing Laboratory
- Food Engineering Laboratory
- Metabolic Engineering Laboratory
- National Poultry Technology Center
- Robotics and Precision Faming Laboratory
- Soil and Water Laboratory
- Water Resources Center

TEAMS AND ORGANIZATIONS

Auburn Engineering students can participate in a variety of activities beyond the classroom, gaining experience with teamwork and project management. Along with various engineering-focused student competition teams, such as the War Eagle Pullers Quarter-Scale Tractor Design Competition, biosystems engineering students are encouraged to participate in campus organizations, such as:

- Alpha Epsilon Honor Society
- American Society of Agricultural and Biological Engineers
- Baja SAE
- Cupola Engineering Ambassadors
- Engineering Student Council
- Engineers Without Borders
- Formula SAE
- National Society of Black Engineers
- Quarter-Scale Tractor Competition Team
- Society of Hispanic Engineers
- Society of Women Engineers

For more information, visit www.eng.auburn.edu/organizations

LIFE AFTER GRADUATION

Graduates in biosystems engineering are well equipped to use their expertise in many areas that affect our quality of life and environment. They are sought by industry, government and public service organizations for their ability to apply engineering fundamentals to biological systems and to the management of land and water resources.

Biosystems engineering careers include design engineers, project engineers, forest engineers, plant engineers, water resources engineers, ecosystem restoration engineers, sales engineers, project managers, environmental compliance engineer, product development engineer, engineering manager, precision technology specialist, and research engineer.

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