AGRICULTURAL & BIOLOGICAL ENGINEERING, BS

for the degree of Bachelor of Science in Agricultural & Biological Engineering

Students pursuing this major select one of two concentrations:

• Agricultural Engineering Concentration (http://catalog.illinois.edu/undergraduate/eng_aces/agricultural-biological-engineering-bs/agricultural-engineering/)
• Biological Engineering Concentration (http://catalog.illinois.edu/undergraduate/eng_aces/agricultural-biological-engineering-bs/biological-engineering/)

Current Program Educational Objectives (https://abe.illinois.edu/undergraduate/abe-program-objectives/)

for the degree of Bachelor of Science Major in Agricultural & Biological Engineering

Student learning outcomes are based on learning outcomes in line with the ABET accreditation process.

Agricultural & Biological Engineering graduates will have:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

for the degree of Bachelor of Science in Agricultural & Biological Engineering

Agricultural and Biological Engineering Website (https://abe.illinois.edu/undergraduate/)
Agricultural & Biological Engineering Faculty (https://abe.illinois.edu/directory/faculty/)

College of Agricultural, Consumer & Environmental Sciences (https://aces.illinois.edu/)
Grainger College of Engineering (https://grainger.illinois.edu/)

Information listed in this catalog is current as of 12/2022