

Agricultural & Biological Engineering

*College of Agricultural, Consumer & Environmental Sciences
and The Grainger College of Engineering*



AREAS OF FOCUS

Students in Agricultural & Biological Engineering (ABE) choose from one of two concentrations: Agricultural Engineering or Biological Engineering

From there, you can tailor your degree further in one of our seven specializations:

- **Bioenvironmental Engineering:** Design systems and structures to ensure desired environmental conditions for animals, people, crop storage, and greenhouses.
- **Ecological Engineering:** Design and manage sustainable ecosystems and services to reduce human impact to the natural environment.
- **Food and Bioprocess Engineering:** Develop and manage equipment and systems for processing of food and biologically based materials.
- **Nanoscale Biological Engineering:** Develop technologies at the nanoscale for biological applications, such as biosensors and particle delivery mechanisms.
- **Off-Road Equipment Engineering:** Design, manufacture, and test equipment and control systems for off-road industries, including agriculture, construction, and mining.
- **Renewable Energy Systems:** Design renewable energy systems, including solar, wind, and geothermal energy.
- **Soil and Water Resources Engineering:** Design sustainable systems to manage and conserve water and soil resources, control erosion and sediment, improve water quality, and minimize pollution.

**MORE THAN
MEETS THE I**



Industry-Linked Design Project

Our program offers an industry-sponsored senior design project allowing you to partner with a client to solve real-world problems. Student teams collaborate to develop and prototype marketable solutions for their clients. You won't just learn about engineering, you'll practice it, too.

AREAS OF EMPLOYMENT

- Biological Systems Automation
- Bioprocessing
- Ecological Modeling
- Environmental Consulting
- Enzyme Development and Production
- Food Engineering
- Off-Road Equipment Design and Testing
- Precision Agriculture
- Renewable Energy
- Sustainability

AREAS OF ADVANCED STUDY

- Agricultural and Biological Engineering
- Bioengineering
- Civil and Environmental Engineering
- Energy Engineering
- Mechanical Engineering
- Medicine

YOUR STUDENT EXPERIENCE



\$3.5 million+ in scholarships awarded yearly by the college



45 study abroad programs offered each year, including 20 short-term, faculty-led programs spanning five continents



40+ ACES student organizations providing hands-on learning and leadership

SCHEDULE A VISIT

abe@illinois.edu

217-333-3570

Visit myillini.illinois.edu to create a myillini account.