



Biological Engineering

Biological engineers pioneer new technologies and processes in areas such as bioprocessing, precision agriculture, plant biology for space missions, biofuels, packaging, agricultural robotics and remote sensing along with addressing critical soil and water issues. Graduates are educated in the biological and environmental sciences, as well as in engineering. They help ensure we have the basic necessities of life: food, water, energy and a safe, healthy environment.

PRE-PROFESSIONAL?

The Biological Engineering (BE) curriculum can fulfill requirements for admission to professional programs including medical, dental and veterinary medicine and graduate programs for bio-medical, environmental and mechanical engineering.

Choose Your Concentration

Agricultural Production Engineering

Works with design and implementation of agricultural power and machinery, structures and environments, greenhouses and instrumentation, robotics for agriculture and computer modeling and control



ABE ALUMNI

Brandt Bessell

Research Technician at
University of Nebraska-Lincoln

Bachelor of Science, Class of 2020

Packaging Engineering

Studies the package life cycle, including design, development, distribution, transport, and recycling of materials with a focus on packaging technologies and sustainable packaging solutions



ABE ALUMNI

Alison Mica

Project Manager at Bacardi OC

Bachelor of Science, Class of 2012

Land and Water Resources Engineering

Involves all aspects of water and rural environmental management, including irrigation, water conservation, water control and structures, waste and wastewater recycling, water quality, ecosystems preservation, and more



ABE ALUMNI

Dr. Nathan Wangusi-Ishimwe

Project Professional (Water Resources
and Civil Engineering) at Kleinfelder

*Bachelor of Science, Class of 2007
Master of Science, Class of 2009
Doctor of Philosophy, Class of 2013*

Biosystems Engineering

Integrates fundamental engineering sciences and practice with biological sciences and prepares students for advanced studies in biomedical engineering, bioprocess engineering, and agricultural engineering



ABE ALUMNI

Elizabeth Dautel

Research and Development Engineer
at Ecovative Design

Bachelor of Science, Class of 2020

Internships Lead to Jobs

Your job while at the University of Florida is to get the most out of your education and take advantage of the hands-on learning opportunities both in and out of the classroom. Students who participate in internships while at the University of Florida gain valuable experience and have one foot in the door to those employers.

Learn more about internships at abe.ufl.edu/undergraduate.

“Experiencing an internship provides a plethora of benefits. It allows you to create connections. I will never forget the people I worked with. I speak to them as both friends and colleagues. They have already been supportive with my future endeavors.”



Ayla Sage

Graduate Student at University of Miami's Rosenstiel School of Marine and Atmospheric Science

Bachelor of Science, Class of 2020

ABE ALUMNI

GET STARTED

For more information about the University of Florida Biological Engineering program, visit abe.ufl.edu/undergraduate.

Contact Us

Dr. Ana Martin-Ryals
Assistant Professor and
Biological Engineering
Undergraduate Coordinator
admartin@ufl.edu
352-294-6708

SCAN ME



What can you do?

Our alumni are working across the country and around the world in jobs as diverse as their interests, and the University of Florida Biological Engineering program has a reputation for producing excellent engineers.

Finding unlimited solutions to limited resources, that's biological engineering.

Potential Jobs

- Environmental Affairs Consultants
- Manufacturing Engineer
- Packaging Engineer
- Process Design Engineer
- Process Safety Engineer
- Project Engineer
- Quality Control Engineer
- Research and Development Engineer
- Technical Services Engineer
- Technical Manager

Potential Employers

- Angiotech
- Bioferm Energy Systems
- Campbell's Soup
- Casseaux Hewett & Walpole, Inc.
- CH2M Hill
- Contech Construction Products
- Department of Environmental Regulation
- Exactech
- Frito Lay
- Jet Propulsion Laboratory
- Johnson Engineering
- Jones Edmund & Associates
- John Deere
- Kraft Foods
- Kimely Horn & Associates, Inc.
- Lane Engineering, Inc.
- Lykes Bros, Inc.
- Mock Roos & Associates, Inc.
- National Instruments
- Natural Resource Conservation Service
- Okeelanta Corporation
- Procter and Gamble
- Royal Consulting Services
- RTI Surgical
- Soil & Water Engineering Technology
- Solar Impact
- U.S. Army Corps of Engineers
- U.S. Food and Drug Administration
- Walt Disney World - Epcot
- Water Management Districts in Florida

UF UNIVERSITY of FLORIDA | AGRICULTURAL AND BIOLOGICAL ENGINEERING

University of Florida Department of Agricultural and Biological Engineering offers two specializations through its Bachelor of Science degree program: Biological Engineering and Agricultural Operations Management. Students who have an interest in engineering, biology, packaging, the management of commercial businesses or agricultural and environmental systems can choose a major that fits their career goals.

abe.ufl.edu



@UF_ABE



@ufloridaabe



@UF_ABE