

What to do with a degree in...

BIOSYSTEMS ENGINEERING

A degree in Engineering, Architecture or Technology provides the knowledge and tools for problem solving. Be aware that the actual work that engineers perform will vary depending on the company and industry in which they work. Some engineers work in a research or development capacity, while others serve in management roles. The work environment

also varies, including outdoor work, work in an office setting, or a combination. Biosystems engineering has many different specializations within the degree which can open many different career paths. At the core of biosystems is the combination of engineering with various biological systems.

SKILLS

Biosystems engineering unites concepts from engineering and biology in the design and analysis of systems that protect and sustain the quantity and quality of water, soil, and other natural resources. It involves the design of processes, products, and equipment used in the production of food, feed, fiber,

pharmaceuticals, and other biomaterials, integrates biology into the design of machines and mechanisms that directly interact with biological materials such as, soil, plants and animals, and emphasizes the engineering aspects of biochemical processes.

CAREER PATHS

BIOMECHANICAL ENGINEER
BIOMEDICAL ENGINEER
ELECTRONICS DESIGN ENGINEER
ENGINEERING TECHNICIAN
ENVIRONMENTAL SPECIALIST
FIELD ENGINEER
FOOD ENGINEER
MECHANICAL DESIGN ENGINEER
PROCESS ENGINEER
SOFTWARE TEST ENGINEER

OPTIONS

BIOPROCESSING & FOOD PROCESSING
ENVIRONMENT & NATURAL RESOURCES
MACHINE SYSTEMS & AGRICULTURAL ENGINEERING
PRE-MEDICAL

WHO HIRES BIOSYSTEMS ENGINEERING MAJORS

AGCO, Cardinal Engineering
Capstan Ag Systems
Cowan Group Engineering
Credera
Ditch Witch
Envirotech Engineering & Consulting
Haskell Consulting
John Deere

Kubota Tractor Corp
Meshak & Associates
Mustang Construction Services Inc
ONEOK INC.
PepsiCo
TreeHouse Foods
USDA
Zeeco



STARTING AVERAGE SALARIES

(DATA GATHERED FROM
OSU CEAT GRADUATES)

2017 - \$58,300

2018 - \$58,300

2019 - \$60,000

TIPS FOR SUCCESS IN BIOSYSTEMS ENGINEERING

- Obtain a co-op or internship experience as an opportunity to discover career interests and to serve as a great resume builder.
- Collaborate with local partners to design and implement sustainable engineering projects through study abroad opportunities or Engineers Without Borders.

GET INVOLVED ON CAMPUS

American Society of Agricultural and Biological Engineers (ASABE)

Cowboy Motorsports

Cowboy Waterworks

Additional Resources About Biosystems Engineering Careers:

www.asabe.org

bae.okstate.edu

MARKETABLE SKILLS OF BIOSYSTEMS GRADUATES

- Understand, analyze, and solve real-world problems in food, agricultural, environmental, and/or biological systems.
- Effective in oral, written, and visual communication.
- Work successfully as a member of a professional team and function effectively as responsible professionals.
- Perform in a professional and ethical manner.



For More Information About
Biosystems at OSU:

Prospective Student Services:
(405) 744-5276

Career Services:
(405) 744-3858

HireOSUGrads.com