

## **Bachelor of Science in Biosystems Engineering<sup>†</sup>**

### **Department of Agricultural and Biosystems Engineering**

#### **Program Outcomes**

A University of Arizona BS-Biosystems Engineering graduate, at the time of graduation:

- Can apply mathematics, science and engineering principles to solve problems
- Can design and conduct experiments and analyze and interpret data
- Can design a system, component or process to meet desired needs within realistic constraints
- Can function on multidisciplinary teams
- Can identify, formulate and solve engineering problems
- Has an understanding of professional and ethical responsibility
- Can communicate effectively
- Has the broad education necessary to understand the impact of engineering solutions in global, economic, environmental, and societal context
- Recognize the need for and the ability to engage in lifelong learning.
- Has a knowledge of relevant contemporary issues
- Can use the techniques, skills, and modern engineering tools necessary for engineering practices.