

**Ph.D. in Biological and Agricultural Engineering (BAE)  
Student Learning Outcomes (SLOs)**

Graduates of the Ph.D. program in Biological and Agricultural Engineering at K-State will demonstrate the following student learning outcomes (SLOs):

1. Ability to solve advanced biological and agricultural engineering problems using math, science, computation, and analysis skills.
2. Ability to critically synthesize and evaluate information.
3. Expertise in the area of specialization.
4. Ability to plan and conduct scholarly activities that make original contributions to the knowledge base in the field of study.
5. Effectiveness in collaboration and leadership.
6. Ability to communicate effectively both in written and oral forms.
7. Understanding of professional and ethical responsibility.
8. Recognition of the need for and ability to engage in life-long learning and professional service.