LEARNING OUTCOMES:
AGRICULTURAL & BIOLOGICAL
ENGINEERING, BS

Learning outcomes for the degree of Bachelor of Science Major in
Agricultural & Biological Engineering

Student learning outcomes are based on learning outcomes in line with
the ABET accreditation process.

Agricultural & Biological Engineering graduates will have:

1. An ability to identify, formulate, and solve complex engineering
problems by applying principles of engineering, science, and
mathematics.

2. An ability to apply engineering design to produce solutions that
meet specified needs with consideration of public health, safety,
and welfare, as well as global, cultural, social, environmental, and
economic factors.

3. An ability to communicate effectively with a range of audiences.

4. An ability to recognize ethical and professional responsibilities in
engineering situations and make informed judgments, which must
consider the impact of engineering solutions in global, economic,
environmental, and societal contexts.

5. An ability to function effectively on a team whose members together
provide leadership, create a collaborative and inclusive environment,
establish goals, plan tasks, and meet objectives.

6. An ability to develop and conduct appropriate experimentation,
analyze and interpret data, and use engineering judgment to draw
conclusions.

7. An ability to acquire and apply new knowledge as needed, using
appropriate learning strategies.