



LAKE AREA TECHNICAL COLLEGE

Agriculture

STUDENT LEARNING OUTCOMES

The graduate of this program shall:

Exhibit the ability to solve problems related to the agricultural field by:

- a. setting up a rotational cropping plan and recognizing the advantages of these plans.
 - b. calculate nutritional animal rations as they pertain to the dairy, beef, swine, & equine industries
 - c. calculate the correct analysis of different fertilizer blends and determine the importance of these blends with differing situations
 - d. describe and identify the growth stages of corn, soybeans and wheat, allowing the students to determine the proper timing concerning the application of pesticides and nutrients for these crops
 - e. calculate net price when dealing with hedging strategies
2. Compare and contrast normal animal behavior, and recognize abnormal behavior to aid in identifying and treating livestock and/or illness.
 3. Demonstrate punctuality and attendance relating to ag classes and related meetings, as established in the attendance policies set by the department.
 4. Interpret and communicate using technical agricultural terms.
 5. Demonstrate the importance of participating in industry training during their careers.
 6. Mapping field areas using a device equipped with global positioning systems.
 7. Analyze and locate information relating to soil types, soil tests, topography and yield monitor information
 8. Demonstrate the basics of CPR/AED training.
 9. Demonstrate the basic principles of general ag safety procedures.