The mission of the Agricultural Sciences and Technology Department is to provide a foundation of education in the agricultural sectors from soils, precision agriculture, animal agriculture, horticulture to agribusiness for students interested in pursuing careers to support the global demand in feeding and clothing the world.

The department embraces learning by doing approach in education to develop essential skills for the agricultural community workforce.

Goal #1: Students should understand the basic concepts of their path of study (i.e., animal science – understanding breeds of sheep, beef, pigs, etc.) with effective communication in relaying the information when they either go on to a university for a higher degree or in the workforce.

Goal #2: Students should use critical thinking and problem-solving through learning hands-on training. For example, students will learn how to use and troubleshoot issues on the autopilot system and software in precision agriculture.

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The curriculum map will provide a more advanced picture if you use a scale such as the one below to identify the level of students’ interaction with the outcomes in program courses:

- Introduced (I) - The skills associated with the program outcome are presented in the course. You may find this will happen in the lower level courses in your program.
- Reinforced (R) - The skills associated with the program outcome are being worked on at a level above the introductory stage and/or the skills are being developed at a deeper level.
- Mastered (M) - Students should have developed a sufficient level of competency in the skills associated with the program outcome to have mastered them.

Degree Electives

AG 101 - Agriculture Economics (SSU Credits: 3)
AG 206 - Agricultural Finance Credits: 3
AG 201 - Agriculture Marketing Credits: 3
AG 260 - World Interdependency/Population/Food (SSU Credits: 3)
AG 307 - General Power Mechanic Credits: 2
AG 100 - Animal Sciences Credits: 3
AG 101 - Feeds and Feeding Credits: 4
AG 230 - Farm Animal Anatomy & Physiology Credits: 3
AG 280 - Livestock Practicum Credits: 1 to 5
BUS 115 - Introduction to Business Credits: 3
CIS 110 - Intro to PC Applications Credits: 3
GIS 100 - GIS Fundamentals Credits: 3

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