

**Department: Agriculture, Agribusiness, and Environmental Science**

**Program: Agriculture Science (AGSC) – General Agriculture**

Skill Set	Professional Application	Delivery of Skill Set Courses, extracurricular activities, etc. in which the skill set is introduced (I), reinforced (R), or mastered (M)
Core Skill: Critical Thinking & Problem Solving Skills	Students in both employ strategic thinking skills to develop effective communication and problem solving skills. Student apply these skills through hands-on workshops, service learning activities and individual & group based technical presentations.	AGSC 1451 Introd to Agric Systems, AGSC 4353 Agric Building Requirements AGSC 3367 Intro to Agric Sci and Tech & AGRI 4350 Collective Leadership in ANRHS
Core Skills: Technical	Students develop their technical skills in the areas of agricultural mechanics and plant science through hands-on applied learning labs. The labs take advantage of traditional and modern agricultural practices using the proper equipment. Laboratory management and worker safety are key components of labs during applied technical skill acquisition.	AGSC 1451 Introd to Agric Systems, AGSC 1352 Welding AGSC 3352 Agric Power and Machinery, AGSC 4353 Agric Building Requirements & AGRI 4350 Collective Leadership in ANRHS, PLSS 1407 General Plant Sciences & PLSS 3410 Principles of Soil Science
Core Skills: Business management	Students in the program attain marketable business skills such as the ability to evaluate market structures, conducting financial analysis of farm and ranch enterprises, and collaborative leadership styles. These skills allow students to be well prepared for all management roles and are marketable for a variety of agricultural careers.	AGBU 2317 Introd to Agric Economics, AGBU 3371 Farm Management & AGRI 4350 Collective Leadership in ANRHS
Discipline-based Skill: Master the depth of knowledge required for a degree	Develop operating strategies, plans, or procedures. Direct organizational operations, projects, or services. Communicate organizational information to customers or other stakeholders. Establish interpersonal business relationships to facilitate work activities.	AGSC 1451 Introd to Agric Systems AGRI 2330 Intro to Systems Thinking, AGRI 4330 Systems Modeling Analysis AGRI 3330 Decision Tools for Ag Systems