

Occupational Certificate Academic Degree Map

Farm & Ranch Management 2025-2026

(Crop Applicator, Agronomy, Animal Science, Agribusiness)

This is a suggested sequence of classes based on the average student load and course prerequisites. Not all courses are offered every semester. Milestones, courses, and special requirements necessary for timely progress to complete an area of study are noted. Missing any of these could delay completion of the program. Consult with your advisor for more information.

*Corequisite Course (if needed, must be taken with college level required course)		
(ENG098 +ENG176), (MTH078 +MTH178), (MTH081 + MTH181)		
ENG098	Support for English Composition I	2 cr hrs
MTH078	Support for College Algebra	2 cr hrs
MTH081	Support for Elementary Statistics	2 cr hrs

1ST SEMESTER			2ND SEMESTER		
Course	Hrs	Milestones/Notes	Course	Hrs	Milestones/Notes
ENG135 Writing for the Workplace or higher	3		MTH126 Tech Math or higher	3	
AAS Institutionally Designated	3	AGR185 Ag Computers preferred	*Area of Study	15	
*Area of Study	10				
TOTAL	16		TOTAL	18	
DEGREE TOTAL: 34					

***Area of Study Courses 25 hrs from the following list of courses. Consult with advisor regarding courses in the different areas of emphasis.**

Agronomy	Animal & Food Science	Agribusiness	
AGR109 Crop Pest Control (2) AGR128 Plant & Seed Identification (1) AGR129 Crop Scout Training (3) AGR131 Plant Science (4) AGR133 Crop Production (3) AGR136 Soils (4) AGR241 Range Management (3)	AGR102 Horse Care & Training (2) AGR115 Horsemanship (2) AGR132 Animal Science (3) AGR134 Livestock Production (3) AGR138 Livestock Selection (3) AGR176 Horse Production (3) AGR215 Princ of Food Science/Food Systems (3) AGR239 Fundamentals Animal Nutrition (3) AGR242 Beef Cattle Production (3) AGR245 Elements of Meat (2) AGR253 Feedlot Operations (3)	AGR231 Intro to Agribusiness (3) AGR232 Marketing Ag Products (3) ACC111 Intro to Accounting (3) ACC177 Accounting I (3) ACC178 Accounting II (3) ACC231 Computerized Accounting (3) ACC232 Managerial Accounting (3) BUS150 Advertising (3) BUS178 Intro to Business (3) BUS201 Web Page Design (3) BUS202 Advanced Web Page Design (3) BUS221 Human Resource Management (3)	BUS233 Business Law (3) BUS234 Marketing (3) BUS237 Business Management (3) BUS249 Medical Terminology (3) CSC201 Web Page Design (3) INT107 CompTIA A+ Essentials (3) INT109 Intro to Network Technology (3) INT155 Server Administration I (3) INT238 Advanced Visual Basic Programming (3) INT250 CompTIA Cloud + (3) INT255 Server Administration II (3)
Crop Applicator		Miscellaneous	
AGR128 Plant & Seed I.D. (1) AGR131 Plant Science (4) AGR251 Ag. Machinery Operation (3) AGR109 Crop Pest Control (2) AGR129 Crop Scout Training (3) AGR133 Crop Production (3)	AGR136 Soils (4) AGR221 Occup. Work Experience I (4) or AGR 225 Occup. Work Experience I (2) or AGR226 Occup. Work Experience II (2) or AGR232 Marketing Ag Products (3)	AGR142 Ag in Our Society (1) AGR221-226 Occ Work Experience (2-6) AGR254 Farm, Home, & Ranch Repair I (3) AGR264 Farm, Home, & Ranch Repair II (3)	WLD136 Industrial Safety & OSHA 10 (1) Any INT (other than INT165)

Effective Fall 2025