



Animal Systems

Course Overview: Focuses on careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services.

Career Goal (O*NET Code): Animal Nutritionist (19-1011), Livestock Producer (45-2021), Large Animal Caretaker (45-2093).

Student Name: _____

Grade: _____

School: _____

SUGGESTED COURSEWORK

EXTENDED LEARNING EXPERIENCES

Middle School	8th	HS Courses:	(Local districts may list high school credit courses here)		Curricular Experiences: Texas FFA Association	Extracurricular Experiences: Farm Bureau Exchange Programs Language Immersion Programs Livestock Exhibition School Newspaper Student Government UIL Academic Competitions Yearbook
	High School	9th	Core Courses:	English I Algebra I Biology		
Career-Related Electives:			Principles of Agriculture or Food and Natural Resources			
10th		Core Courses:	English II Geometry Chemistry	World History Languages other than English II		
		Career-Related Electives:	Horse Management or Small Animal Management or Agricultural Leadership Development I			
11th		Core Courses:	English III Algebra II Physics	United States History		
		Career-Related Electives:	Livestock Production or Wildlife and Ecology Management or Agricultural Leadership Development II or Mathematical Applications in Agriculture, Food and Natural Resources			
12th	Core Courses:	English IV AP Statistics AP Environmental Science	Government/Economics Floral Design (Fine Arts credit)	COLLEGE CREDIT OPPORTUNITIES -- High School Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated courses (Tech Prep), if possible. List those courses that count for college credit on your campus.		
	Career-Related Electives:	Agricultural Science Internship/Mentorship or Advanced Animal Science or Agricultural Leadership Development III				
On-the-Job Training	Feedlot Employee NRCS Employee	Pet Store Employee Ranch Employee	Stable Employee Wildlife Center Employee	Professional Associations: Alpha Tau Alpha American Society of Animal Science Block & Bridle Club Collegiate FFA Gamma Sigma Delta Post-Secondary Agricultural Students Association		
	Artificial Insemination OSHA CareerSafe	Quality Beef Producer	Tractor and Machinery Operator	Career Options: Assistant Feedlot Manager		
Postsecondary	Associate Degrees	Agricultural Systems Management	Agricultural Technician	Ranch and Feedlot Operations	Career Options: Agricultural Product Sales Feedlot Management Livestock Facilities Consultant Livestock Sales Research Assistant	
	Bachelor Degrees	Agricultural Educator Animal Science	Physiology of Reproduction	Range Management	Career Options: Agricultural Consultant Ranch Manager Texas Cooperative Extension Agent	
	Graduate Degrees	Animal Science	Beef Cattle Management	Range Animal Science	Career Options: Animal Facility Manager Research Associate Property Manager for Financial Institution	

Students may select other elective courses for personal enrichment purposes.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2009. All plans meet high school graduation requirements as well as college entrance requirements.