



# 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	<b>HS Courses:</b>	Exploring Agriculture, Food and Natural Resources		<b>Curricular Experiences:</b> <a href="#">Texas FFA Association</a>	<b>Extracurricular Experiences:</b> Farm Bureau Exchange Programs Language Immersion Programs Livestock Exhibition School Newspaper Student Government UIL Academic Competitions Yearbook
	High School	9th	<b>Core Courses:</b>	English I Algebra I or Geometry Biology		
<b>Career-Related Electives:</b>			Principles of Agriculture, Food and Natural Resources			
10th		<b>Core Courses:</b>	English II Geometry or Alg II Chemistry	World History Languages other than English II		
		<b>Career-Related Electives:</b>	Equine Science and Livestock Production			
11th	<b>Core Courses:</b>	English III Algebra II or Pre-Cal Physics or Princ of Technology	United States History			
	<b>Career-Related Electives:</b>	Wildlife, Fisheries, and Ecology Management				
12th	<b>Core Courses:</b>	English IV Alg III, Pre-Calculus, or AP Calculus Science Elective	Government/Economics Fine Arts			
	<b>Career-Related Electives:</b>	Practicum in Agriculture or Food and Natural Resources				
Postsecondary	On-the-Job Training	Feedlot Employee NRCS Employee	Pet Store Employee Ranch Employee	Stable Employee Wildlife Center Employee	<b>Career Options:</b> Assistant Feedlot Manager	<b>Professional Associations:</b> <a href="#">Alpha Tau Alpha</a> <a href="#">American Society of Animal Science</a> <a href="#">Block &amp; Bridle Club</a> <a href="#">Collegiate FFA</a> <a href="#">Gamma Sigma Delta</a> <a href="#">Post-Secondary Agricultural Students Association</a>
	Certificates	Artificial Insemination OSHA CareerSafe	Quality Beef Producer	Tractor and Machinery Operator		
	Associate Degrees	<a href="#">Agricultural Systems Management</a>	<a href="#">Agricultural Technician</a>	<a href="#">Ranch and Feedlot Operations</a>		
Bachelor Degrees	Agricultural Educator Animal Science	Physiology of Reproduction	Range Management	<b>Career Options:</b> Agricultural Consultant Ranch Manager	Livestock Facilities Consultant Livestock Sales Research Assistant	Texas Cooperative Extension Agent
Graduate Degrees	Animal Science	Beef Cattle Management	Range Animal Science	<b>Career Options:</b> Animal Facility Manager	Research Associate Property Manager for Financial Institution	

**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.

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.