



Animal Systems

Course Overview: Focuses on careers in the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources.

Career Goal (O*NET Code): Veterinarian (29-1131), Veterinary Technician (29-2056), Veterinary Assistant (31-9096).

Student Name: _____
Grade: _____
School: _____

SUGGESTED COURSEWORK

EXTENDED LEARNING EXPERIENCES

Middle School	8th	HS Courses:	Exploring Agriculture, Food and Natural Resources		Curricular Experiences: Health Occupation Student Association Texas FFA Association	Extracurricular Experiences: Agriscience Fair College of Veterinary Medicine Open House Farm Bureau Exchange Programs School Newspaper Student Government UIL Academic Competitions Yearbook
	High School	9th	Core Courses:	English I Algebra I or Geometry Biology		
Career-Related Electives:			Principles of Agriculture, Food and Natural Resources			
10th		Core Courses:	English II Geometry or Alg II Chemistry	World History Languages other than English II		
		Career-Related Electives:	Equine Science and Livestock Production			
11th		Core Courses:	English III Algebra II or Pre-Cal Physics or Princ of Technology	United States History Professional Communications		
		Career-Related Electives:	Veterinary Medical Applications or Medical Terminology			
12th	Core Courses:	English IV Alg III, Pre-Calculus, or AP Calculus Environmental Systems, Aquatic Science, or Anatomy & Physiology or AP Chemistry	Government/Economics Fine Arts			
	Career-Related Electives:	Practicum in Agriculture, Food and Natural Resources or Advanced Animal Science or Medical Terminology				
Postsecondary	On-the-Job Training	Agricultural Research Service Employee Ranch Employee Pet Store Employee Veterinary Clinic Employee	NOTE: These experiences may be started and/or completed as part of the high school experience.		Professional Associations: American Society of Animal Science Block & Bridle Club Collegiate FFA Post-Secondary Agricultural Students Association Texas Veterinary Medical Association	
	Certificates	Artificial Insemination Veterinary Assistant OSHA CareerSafe	NOTE: Students may earn all or part of these certificates as part of the high school experience.			
	Associate Degrees	Biochemistry Technician Registered Veterinary Technician Tissue Culture Technician Veterinary Laboratory Technician	Career Options: Animal Caretaker Supervisor Laboratory Technician Registered Veterinary Technician			
Bachelor Degrees	Animal Science Biochemistry	Biomedical Science Equine Studies	Histotechnologist Microbiology	Career Options: Research Nutritionist Agricultural Researcher Ornithologist Mammologist		
Graduate Degrees	Veterinary Anatomy Veterinary Pathology	Doctor of Veterinary Medicine with a specialization in: Companion Animal, Laboratory Animal Equine Practitioner	Career Options: Licensed Veterinarian Veterinary Surgeon Research Facility Manager Veterinary Livestock Inspector			

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.