



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:			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 Alg Biology		
Career-Related Electives:			Principles of Agriculture, 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 Livestock Production			
11th		Core Courses:	English III Algebra II Physics	United States History		
		Career-Related Electives:	Veterinary Medical Applications or Medical Terminology			
12th	Core Courses:	English IV AP Statistics Anatomy and Physiology	Government/Economics Floral Design (Fine Arts credit)			
	Career-Related Electives:	Agricultural Science Internship/Mentorship or Advanced Animal Science				
Postsecondary	On-the-Job Training	Agricultural Research Service Employee Ranch Employee Pet Store Employee Veterinary Clinic Employee			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		Career Options: Zoo Keeper Certified Veterinary Assistant		
	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.