

SD Program of Study

Animal Systems Pathway

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as postsecondary entrance requirements.

	GRADE	English	Math	Science	Social Studies/ Sciences	SD Required Electives	Career & Technical Education Courses	SAMPLE Career Options Relating to This Pathway
Personal Learning Plan (PLP) initiated for all students, academic and career advisement and appropriate assessments.								
SECONDARY	9	*English/Language Arts I (01001)	* Algebra I (02052)	* Physical Science (03159)	* World History-Overview (04051) * World Geography (04001)	* PE/Health * Fine Art Elective	Introduction to Agriculture, Food, and Natural Resources (18001) Leadership and Personal Development (18203)	Occupations Requiring Postsecondary Education ► Animal Caretaker - Poultry Manager ► Aquaculturalist ► Artificial Insemination Technician ► Dairy Producer ► Equine Manager ► Feed Sales Representative ► Livestock Buyer ► Livestock Inspector ► Livestock Producer ► Veterinary Assistant Occupations Requiring Baccalaureate Degree ► Agricultural Educator ► Animal Nutritionist ► Livestock Geneticist ► Meat Science Researcher ► Physiologist ► Wildlife Biologist ► USDA Inspector ► Veterinarian
	10	*English/Literature II (01051) *Speech (01151)	* Geometry (02072)	* Biology (03051) ²		1 unit total - any combination of: * World Language or	*Fundamental Animal Science (18101) Agriscience (18310)	
	11	*English/Comp III (01102) *American Literature (01054)	*Algebra II (02056)	*Chemistry (03101) ²	*U.S. History-Comprehensive (04101)	* Capstone Service Learning or Approved Career & Technical Education	*Advanced Animal Science † (18107) Companion Animals (18108)	
	12	*English/Language Arts IV (01004)	Calculus (02121) or Statistics (02201)	College Science Elective	* U.S. Government-Comprehensive (04151) * Psychology (04254)	* Personal Finance (22210) or *Economics (04201)	Agriculture Biotechnology (18308) *Capstone Experience	
POSTSECONDARY	Year 13	Written and Oral Communications	College Level Math	Natural Sciences	Social Studies/ Sciences	Computer Literacy		
	Year 14	Written Communications	Information Literacy			Wellness for Life Arts & Humanities		
	Year 15							
	Year 16							
CAREER CLUSTER CERTIFICATES	Certified Welder (AWS) Commercial Applicator Certification (Pesticide) OSHA 10 Hour Safety Certification—Construction Industry OSHA 10 Hour Safety Certification—General Industry Private Applicator Certification (Pesticide)							
Orange Text - College Level - Dual Credit * Classes available through Virtual School ² Recommended academic								