



Pathway: Animal Science

Plan of Study: Animal Systems

Career Goal (O*Net Code): Animal Breeder, Animal Nutritionist, Veterinarian, Livestock Buyer, Livestock Brand Inspector, Barn Manager

Suggested High School Courses

High School * Default includes CDHE Higher Education Admission Requirements	9 th	Core Academic Courses*:	English I, Algebra I, Physical Science, World History, Physical Education,	Suggested Electives: Band or Reading
		Career Path Courses:	Introduction to Agriscience	
	10 th	Core Academic Courses*:	English II, Geometry, Biology, Geography, Physical Education	Suggested Electives: Band or Reading Spanish I
		Career Path Courses:	Animal Science	
	11 th	Core Academic Courses*:	English III, American History	Suggested Electives: Anatomy, Algebra II,
		Career Path Courses:	Natural Resource Science	
	12 th	Core Academic Courses*:	English IV, Agriculture Business (fulfills business credit),	Suggested Electives: Chemistry, Ag Mechanics
		Career Path Courses:	Ag Business (Same as above)	

Secondary to Postsecondary Linkages & Certifications

Recognition for Advanced Learning	Postsecondary Credit Options: Articulation agreement with Lamar Community College – English Comp, Lit, Chemistry Agribusiness Statewide Articulation Agreement AGE 102 or 205.
	Industry Recognized Certificate(s) or License(s): Artificial Insemination Certificate, Bovine Pregnancy Detection

Colorado Postsecondary Programs Available

Colorado Institutions

Entrance Exams/ Requirements

Postsecondary Education Opportunities	Certificate	Ag Production, Beef Feedlot	www.collegeincolorado.org Highlight Specific Colleges Here	Insert Entrance Requirements Here	
		Associate Degree	General Agriculture Production Agriculture, Beef Feedlot, Vet Tech, Zoo keeping	NJC LCC FRCC & CMC, PPCC	High School Diploma SAT/ACT Scores
		Bachelor Degree	Animal Science- Industry Conc. Animal Science- Science Conc. Zoology Biological Science	CSU	High School Diploma SAT/ACT Test Scores
		Graduate Degree	Zoology Cell and Molecular Biology	CSU University of Denver	Bachelors Degree GRE Test

Cluster Overview: The **Agricultural, Food and Natural Resources** cluster focuses on careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services.

Extended Learning Experiences		
Curricular Experiences: Colorado FFA Association Livestock Evaluation Equine Evaluation Prepared and Extemporaneous Speech	Extracurricular Experiences: County/State Fair Livestock Exhibition National Western Stock Show	
Work-Based Learning Experiences: Career Preparation – Paid and Unpaid, Job Shadowing, Internships	Program Accreditation and/or Professional Association(s): Post-Secondary Agricultural Students Association (PAS) American Society of Animal Science National Cattleman’s Beef Association (NCBA)	
Service Learning Experiences: 4-H, Community Volunteer		
Career Options:		Salary Range:
Certificate	Animal Breeder	\$\$
Associate Degree	Animal Breeder Brand Inspector	\$\$ \$\$
Bachelor Degree	Farm/Barn Manager Livestock Buyer	\$\$\$ \$\$
Graduate Degree	Veterinarian	\$\$\$-\$\$\$\$

* \$ = \$15-25,000; \$\$ = \$25-55,000; \$\$\$ = \$55-90,000; \$\$\$\$ = Above \$90,000

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