



Pathway: Animal Science

Plan of Study: Animal Health - Veterinary Technology

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

Suggested High School Courses

High School	9 th	Core Academic Courses*:	English I ,Math ,Science and Social Studies Required classes – Health, P.E	Suggested Electives: Computer Applications Choir, band ,art, theater
		Career Path Courses:	Introduction to Ag Science & Technology	
* Default includes CDHE Higher Education Admission Requirements	10 th	Core Academic Courses*:	English II ,Geometry , Biology ,U.S History ,Foreign Language	Suggested Electives: Nutrition & Wellness
		Career Path Courses:	Advanced Agricultural Science & Technology , Animal Science	
	11 th	Core Academic Courses*:	English III, Algebra II/ or other, Chemistry	Suggested Electives: AP Biology
		Career Path Courses:	Animal Science Ind.Study, Ag Business, Natural Resources	
	12 th	Core Academic Courses*:	English IV, Trigonometry or other math, Anatomy & Physiology or other lab based science	Suggested Electives:
		Career Path Courses:	Advanced Animal Science or Vet Tech II or ASC 100(Hybrid)*	

Secondary to Postsecondary Linkages & Certifications

Recognition for Advanced Learning	Postsecondary Credit Options: Dual Enrollment in ASC 100*
	Industry Recognized Certificate(s) or License(s): Artificial Insemination Certification,

	Postsecondary Programs Available in Colorado	Colorado Institutions	Entrance Exams/ Requirements
Postsecondary Education Opportunities	Certificate Veterinary Technician Zoo Keeper Animal Shelter Operator Brand Inspector	Colorado Mountain College Front Range Community College Northeastern Junior College Community College of Denver	
	Associate Degree Veterinary Technology	Bel Rae Institution Community College of Denver Front Range Comm. College Colorado Mountain College Northeastern Junior College	High School Diploma or GED and completion of BIO 111, ENG 121, HPR 178 at "C" or better.
	Bachelor Degree Animal Science Equine Studies Biochemistry Biomedical Studies	Colorado State University For other programs, see: www.collegeincolorado.com	High School Diploma or GED. For SAT/ACT score and GPA requirements, refer to each school's website.
	Graduate Degree Doctor of Veterinary Medicine Master of Science, Animal Science MS & PhD in Biochemistry MS & PhD in Biomedical Science	Colorado State University University of Colorado (Boulder, Denver/Health Sciences & Colorado Springs)	DVM admission requires 60 semester hours in specific courses. See: http://www.cvmb.colostate.edu/cvmb/PreprofessionalCourses.htm MS & PhD programs require BS in related field.

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:		Extracurricular Experiences:
Examples: Colorado FFA Association Livestock Evaluation Dairy Evaluation Horse Evaluation Agriscience Fair		County Fair Colorado State Fair National Western Stockshow County/Local livestock show/fair Farm Bureau Exchange Programs
Work-Based Learning Experiences:		Program Accreditation and/or Professional Association(s):
Career Preparation – Paid and Unpaid, Job Shadowing, Internships, Apprenticeship		Examples: Post-Secondary Agricultural Students Association (PAS) Colorado Veterinary Medical Association American Society of Animal Science
Service Learning Experiences:		
Examples: Community Service Volunteer, 4-H, Boy Scouts of America, Girl Scouts of the USA, Animal Rescue, Petting Zoos, Animal Emergency Response		
Career Options:		Salary Range:
Certificate	Veterinary Technician Zoo Keeper Animal Shelter Operator Brand Inspector	\$
Associate Degree	Veterinary Technician Veterinary Assistants and Laboratory Animal Caretakers	\$ - \$\$
Bachelor Degree	Animal Nutritionist, Agricultural Researcher Mammalogist, Ornithologist Reptilian Biologist , Herpetologist	\$\$
Graduate Degree	Licensed Veterinarian, Veterinary Surgeon Research Facility Manager Veterinary Livestock Inspector	\$\$ - \$\$\$\$

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

ALAMOSA RE-11J does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. Please direct inquiries to: Henry Herrera, Superintendent, 719-587-6069