



Pathway: Animal Science

Plan of Study: Animal Health - Veterinary Science & Technology

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

Suggested High School Courses

High School * Default includes CDHE Higher Education Admission Requirements	9 th	Core Academic Courses*:	Eng. 9 (A&B), Int. Math 1 (A,B,C,), Intro to Physics, INtro to Chem., Social Studies Elective, Health, Possible Foreign Language	Suggested Electives: Computer Applications
		Career Path Courses:	Introduction to Ag Science & Ag Business	
	10 th	Core Academic Courses*:	English 10 (A&B), Int. Math II (A&B), Biology (A&B), Global Studies (A&B), 1st or 2nd year of a Foreign Language, Speech	Suggested Electives: Nutrition & Wellness
		Career Path Courses:	Animal Science 1 & Small Animal Care or Wildlife Management	
	11 th	Core Academic Courses*:	Eng II (A&B), Int. Math III or Inter. Alg II or Alg. III (A&B), Thematic Chemistry (A&B), Mod. Am. Studies (A&B), Possible 2nd year of Foreign Lanf. and Speech	Suggested Electives: Artificial Insemination
		Career Path Courses:	Animal Science 2 & Equine Science or Wildlife Management, Aquaculture or Small Animal Care (pick two)	
	12 th	Core Academic Courses*:	Eng. 12 (A), Math (A), Am. Govt. Possible Speech	Suggested Electives: Insert Recommended Electives Here
		Career Path Courses:	Vet Science & Internship A, B or C (as many as possible)	

Secondary to Postsecondary Linkages & Certifications

Recognition for Advanced Learning	Postsecondary Credit Options: Possible Dual Enrollment in ASC 100
	Industry Recognized Certificate(s) or License(s): Possible Vet Tech Certification from accepted Colorado Community College

Postsecondary Education Opportunities	Postsecondary Programs Available in Colorado		Colorado Institutions	Entrance Exams/ Requirements
	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: Examples: Colorado FFA Association Livestock Evaluation Dairy Evaluation Horse Evaluation Agriscience Fair Job Interview Contest	Extracurricular Experiences: Examples: Colorado State Fair National Western Stockshow County/Local livestock show/fair Farm Bureau Exchange Programs	
Work-Based Learning Experiences: Career Preparation – Paid and Unpaid, Job Shadowing, Internships, Apprenticeship Supervised Agriculture Experience Program- either placement or Entrepreneurship (SAE)	Program Accreditation and/or Professional Association(s): 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, La Plata County Humane Society, Local Vet hospitals		
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

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