



Pathway: Animal Science

Plan of Study: Animal Health - Veterinary Technology

Career Goal (O*Net Code):

Vet Technologist and Technician 29-2056
 Veterinarian 29-1131
 Veterinary Assist. And Laboratory Animal Caretaker 31-9096
 Natural Science Manager 11-9121

Suggested High School Courses

High School * Default includes CDHE Higher Education Admission Requirements	9 th	Core Academic Courses*:	English 9, Algebra I-A, Geo-Physical Science, Middle American History, Freshman World Geography	Suggested Electives: Freshman/Sophomore Seminar, Health Drafting Woodworking I
		Career Path Courses:	Agriculture Ed 1	
	10 th	Core Academic Courses*:	English 10, Oral Communications, Algebra 1-B, Biology, Modern American History or Contemporary Issues	Suggested Electives: P.E. Foreign Language I Wood Working II Drafting I
		Career Path Courses:	Agriculture Ed 2	
	11 th	Core Academic Courses*:	English 11, Geometry, Chemistry, Ancient World History or Modern World History	Suggested Electives: P.E. Foreign Language II
		Career Path Courses:	Animal Science, Plant Science, Natural Resource & Wildlife Management	
	12 th	Core Academic Courses*:	English 12 or American Writers or Creative Writing, Trigonometry, A.P. Biology, American Government	Suggested Electives: Agribusiness COS Internship
		Career Path Courses:	Animal Science, Plant Science, Natural Resource & Wildlife Management	

Secondary to Postsecondary Linkages & Certifications

Recognition for Advanced Learning	Postsecondary Credit Options:
	Dual Enrollment, Fast Track
	Industry Recognized Certificate(s) or License(s):
N/A	

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.cvmbs.colostate.edu/cvmbs/PreprofessionalCourses.htm MS & PhD programs require BS in related field.	

Career & Technical Education is delivered through the Colorado Community College System

www.cccs.edu



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 Dairy Evaluation Horse Evaluation Agriscience Fair	Extracurricular Experiences: Montrose County Fair Colorado State Fair National Western Stock Show	
Work-Based Learning Experiences: Career preparation-paid/unpaid Job shadowing Internships	Program Accreditation and/or Professional Association(s):	
Service Learning Experiences: 4H Boy Scouts of America Girl Scouts of America Petting Zoo Montrose County Animal Shelter		
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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