

Equine Science Specialist Certificate of Achievement



CATALOG 2022-23

GE Pattern: None

Total Units: 13 Units

Program Code: [EQNSCNSPEC.CERT](#)



Additional Certificate/Degree Programs

*Animal Sciences, AST * Animal Science Specialist * Environmental Horticulture, AS
* Agriculture Plant Sciences, AS-T * Plant Science Certificate * Environmental
Horticulture and Landscaping * Geospatial Technology * Natural Resource and
Environmental Technology * Equine Science Specialist*

Year 1, Fall

7 Units

Category	Course	Title	GE Area	Unit
Req	AGNR 102	Equine Science (offered in fall only)		4
Req	AGNR 106	Veterinary Terminology and Technology Production (offered fall only)		3

Year 1, Fall

6 Units

Category	Course	Title	GE Area	Unit
Req	AGNR 105	Equine Health (offered in spring only)		3
RE	Any	Choose one course from list Fall only offerings: AGNR 100, 131, 177 Spring only offerings: AGNR101L, 107, 123, 178		3

AGNR 102 Equine Science (4.0 Units)

Survey of the equine industry, encompassing the importance and role of the horse throughout history. Focus is on breed selection and development, nutrition, disease, preventative health, reproductive management, basic horsemanship, stabling alternatives and career opportunities. *Laboratory required.*

Lecture Hours: 54.00; **Lab Hours:** 54.00

Transfer: Transfers to both UC/CSU

GNR 106 Veterinary Terminology and Technology (3.0 Units)

Introduction to veterinary terminology and technology for small and large animal diagnostic evaluation. (Formerly AGNR 51)

Lecture Hours: 54.00

Transfer: Transfers to CSU only

AGNR 105 Equine Health (3.0 Units)

Students learn the basics of proper veterinary care of the horse, including what to do before the veterinarian is called. Course introduces the diseases and lameness associated with the musculoskeletal system, as well as diseases of the respiratory, digestive, neurological, and reproductive systems. Emphasis is on preventive maintenance and managerial practices needed to keep the equine athlete, broodmare or family horse in good health in the High Desert region of California. Grade option.

Lecture Hours: 54.00

Transfer: Transfers to CSU only

Category Key

(a)	Articulated Credit	A course taught at the high school that teaches the same content as the community college allowing the high school student to receive college credit.	GE	General Education	A course that fulfills a specific general education requirement for this degree, which can be replaced with another course that meets the same requirements.
	Elec	Elective			A degree - applicable course that is part of a degree road map to ensure that there is a total of at least 60 units, which is a requirement for an AS degree.
			RE	Restricted Electives	A course selected from a list of elective courses specified for this degree in the course list in the catalog, which can be replaced with another course from the same list.
	Req	Required Core			A course that is required for this degree



Listed Occupations may require additional training, certification, and/or Apprenticeships and on-the-job training.
Contact: info@vvc.edu for more information on additional agriculture opportunities and programs.

Report Date: January 4, 2023

+406
5-year Job Demand
Increase in
MDCP Region

**Average Hourly
Wage**

\$33.85
MDCP Region

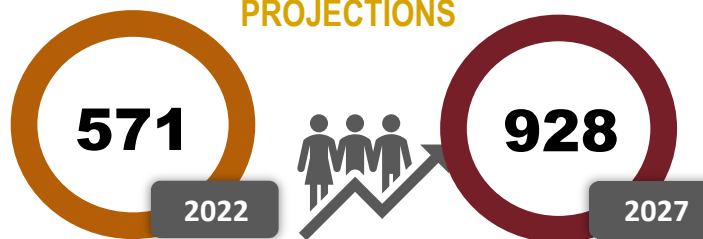
\$33.66
SB County

\$36.14
California

**MDCP
Regional Labor Market
Snapshot
JOBS in
Agriculture and
Animal Science
Occupations**

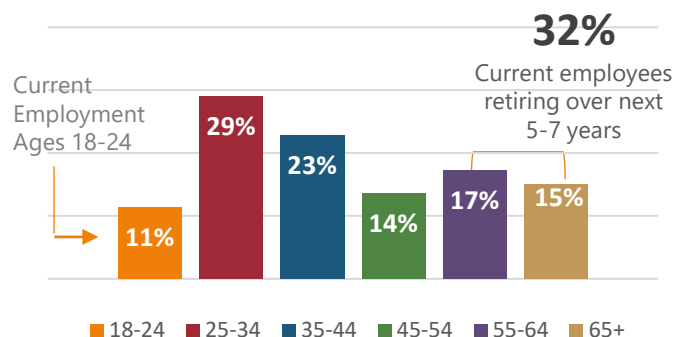


EMPLOYMENT PROJECTIONS



5-year demand includes new jobs, transfers, and retirements

Current Age Breakdown



CONTINUING EDUCATION AND TRAINING

Program

BS Animal Health Science
MS Animal Science
MS Animal Science & Management
BS Equine Science
BS Animal Science
BS Animal Science

College

Cal Poly, Pomona
Cal Poly, San Luis Obispo
UC Davis
Cal State, Fresno
Azusa Pacific
Cal State Chico

For additional information visit

<https://catalog.vvc.edu/degrees-certificates/agriculture-natural-resources/#EQNSCNSPEC-CERT>

LOCAL EMPLOYERS



Employer

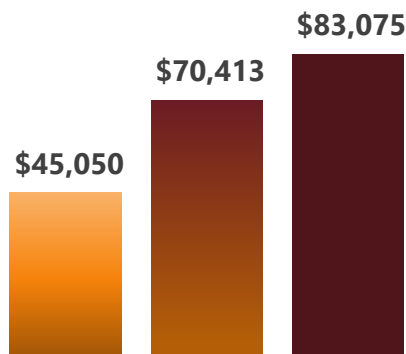
Amber Waves Livestock Breeder
Apple Valley Feed Bin
Banfield Pet Hospital
Bear Valley Animal Hospital
Desert Care Animal Hospital
Pet Smart

Website

<https://amberwaves.info/>
<https://frommfamily.com/r/12588>
<https://www.banfield.com>
<http://www.bearvalleyanimalhospital.com/>
<https://mypetlovesdcah.com/>
<https://www.petsmart.com/>

Salary Guide

AVERAGE BY EXPERIENCE



■ Starting ■ Average ■ Experienced

AVERAGE WAGE INFORMATION PER JOBS IN REGION

Occupation	Average Hourly Wage			HD Average Salary
	HD	SBC	California	
Animal Breeder (HS)	\$28.83	\$28.37	\$28.84	\$60,000
[^] Animal Caretakers (HS)	\$16.16	\$15.99	\$17.05	\$33,600
Animal Trainers (HS)	\$17.40	\$16.85	\$20.14	\$36,200
Veterinary Assistants/Lab Technicians (HS)	\$16.37	\$16.33	\$17.48	\$34,100
Veterinary Technologists and Technicians (A)	\$19.64	\$19.54	\$21.70	\$40,900
Animal Scientists (B)	\$81.03	\$81.23	\$85.30	\$168,500
Zoologists and Wildlife Biologists (B)	\$36.01	\$36.11	\$37.69	\$74,900
Veterinarians (PD)	\$55.33	\$54.89	\$60.91	\$115,100

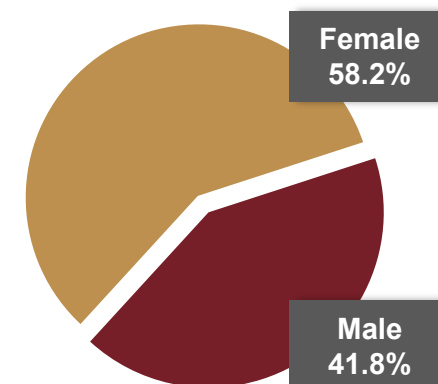
Average hourly wage based on listed occupations

(HS = High School Diploma; PSC= Postsecondary Certificate; A = Associates Degree;
B = Bachelor's Degree; M = Master's Degree, D = Professional or Doctorate Degree

HD Average wages based on listed occupations

[^]High Demand Occupation

Current Gender Breakdown



Serving the High Desert Region

Employment and wage data Source: CHMURA JobsEQ 2022 Q2 MDCP Region (HD) - San Bernardino County (SBC), and California