

ANIMAL SCIENCE, MINOR

Anne Todgham, Ph.D., Chairperson of the Department

The Program

The Department of Animal Science offers five minor programs open to students majoring in other disciplines who wish to complement their study programs with a minor in Animal Science. Some courses have required prerequisites not included as part of the minor, and students should plan accordingly.

Advising for the minor and course offerings is located in the Animal Science Advising Center (<https://animalscience.ucdavis.edu/academics/undergrad/advising/>) in 1202 Meyer Hall; 530-754-7915.

Minor Advisor

Russ Hovey, Ph.D.

Animal Science—Animal Biology

Code	Title	Units
Choose ANS 015 or ANS 042, or ANS 041 & ANS 041L, or ANS 021 & ANS 041:		3-4
ANS 015	Introductory Horse Husbandry	
ANS 042	Introductory Companion Animal Biology	
ANS 041 & 041L	Domestic Animal Production and Domestic Animal Production Laboratory	
ANS 021 & ANS 041	Livestock & Dairy Cattle Judging and Domestic Animal Production	
Choose one:		4
ANS 103	Animal Welfare	
ANS 104	Principles & Applications of Domestic Animal Behavior	
Choose ANS 123 & ANS 124, or NPB 121 & NPB 121L:		5-8
ANS 123 & ANS 124	Animal Growth & Development and Lactation	
NPB 121 & 121L	Physiology of Reproduction and Physiology of Reproduction Laboratory	
Choose additional units to complete the 20-unit total: ¹		4-8
Upper Division Animal Science (ANS) courses.		
Animal Genetics (ANG) courses.		
NPB 121	Physiology of Reproduction	
NPB 121L	Physiology of Reproduction Laboratory	
NUT 115	Animal Nutrition	
NUT 122	(Discontinued)	
NUT 123	(Discontinued)	
NUT 123L	(Discontinued)	
Total Units		

¹ Variable unit courses (092, 099, 192, 197T, 198, 199) are not allowed for the completion of this requirement.

Animal Science—Animal Genetics

Code	Title	Units
Choose ANS 015 & ANS 042, or ANS 041 & ANS 041L, or ANS 021 & ANS 041:		4-7
ANS 015 & ANS 042	Introductory Horse Husbandry and Introductory Companion Animal Biology	
ANS 041 & 041L	Domestic Animal Production and Domestic Animal Production Laboratory	
ANS 021 & ANS 041	Livestock & Dairy Cattle Judging and Domestic Animal Production	
<i>Animal Genetics</i>		9
ANG 107	Genetics & Animal Breeding	
ANG 111	Molecular Biology Laboratory Techniques	
<i>Additional Upper Division Courses</i>		
Choose additional units to complete the 20-unit total: ¹		7-8
Upper Division Animal Science (ANS) courses.		
Animal Genetics (ANG) courses.		
AVS 103	Avian Development & Genomics	
NPB 121	Physiology of Reproduction	
NPB 121L	Physiology of Reproduction Laboratory	
NUT 115	Animal Nutrition	
NUT 122	(Discontinued)	
NUT 123	(Discontinued)	
NUT 123L	(Discontinued)	
Total Units		20-24

¹ Variable unit courses (092, 099, 192, 197T, 198, 199) are not allowed for the completion of this requirement.

Animal Science—Aquaculture

Code	Title	Units
ANS 018	Introductory Aquaculture	4
ANS 118	Fish Production	4
ANS 119	Invertebrate Aquaculture	4
Additional upper division courses.		8
Choose additional units to complete the 20-unit total: ¹		
Upper division Animal Science (ANS) courses.		
Animal Genetics (ANG) courses.		
ABT 161	Water Quality Management for Aquaculture	
NUT 124	Nutrition & Feeding of Finfishes	
WFC 121	Physiology of Fishes	
Total Units		20

¹ Variable unit courses (092, 099, 192, 197T, 198, 199) are not allowed for the completion of this requirement.

Animal Science—Dairy/Livestock

Code	Title	Units
Choose ANS 041 & ANS 041L, or ANS 021:		2-4
ANS 041 & 041L	Domestic Animal Production and Domestic Animal Production Laboratory	
ANS 021	Livestock & Dairy Cattle Judging	
ANS 104	Principles & Applications of Domestic Animal Behavior	4
Additional upper division courses.		12
Choose 4 or 8 units:		4-8
ANS 143	Pig & Poultry Care & Management	
ANS 144	Beef Cattle & Sheep Production	
ANS 146	Dairy Cattle Production	
Choose additional units to complete the 20 unit total: ¹		
Upper division Animal Science (ANS) courses.		
Animal Genetics (ANG) courses.		
NPB 121	Physiology of Reproduction	
NPB 121L	Physiology of Reproduction Laboratory	
NUT 115	Animal Nutrition	
NUT 122	(Discontinued)	
NUT 123	(Discontinued)	
NUT 123L	(Discontinued)	
Total Units		22-28

¹ Variable unit courses (092, 099, 192, 197T, 198, 199) are not allowed for the completion of this requirement.

Animal Science—Equine

Code	Title	Units
ANS 015	Introductory Horse Husbandry	3
ANS 103 or ANS 104	Animal Welfare Principles & Applications of Domestic Animal Behavior	4
ANS 115	Advanced Horse Production	4
ANS 141	Equine Enterprise Management	4
ANS 125 or ANS 126	Equine Exercise Physiology Equine Nutrition	3
Choose additional units to complete the 20 unit total: ¹		2-3
Upper division Animal Science (ANS) courses.		
Animal Genetics (ANG) courses.		
NPB 121	Physiology of Reproduction	
NPB 121L	Physiology of Reproduction Laboratory	
NUT 115	Animal Nutrition	
NUT 122	(Discontinued)	
NUT 123	(Discontinued)	
NUT 123L	(Discontinued)	
Total Units		20-21

¹ Variable unit courses (092, 099, 192, 197T, 198, 199) are not allowed for the completion of this requirement.