

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., Professor

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 or ANS 042	Introductory Horse Husbandry Introductory Companion Animal Biology	
OR		
ANS 041 & 041L	Domestic Animal Production and Domestic Animal Production Laboratory	
OR		
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 or ANS 124, or NPB 121 & NPB 121L:		5-8
ANS 123 or ANS 124	Animal Growth & Development Lactation	
OR		
NPB 121 & 121L	Physiology of Reproduction and Physiology of Reproduction Laboratory	
Choose additional units to complete the 20-unit total: ¹		8
Upper Division Animal Science (ANS) courses. (https://catalog.ucdavis.edu/courses-subject-code/ans/)		
Animal Genetics (ANG) courses. (https://catalog.ucdavis.edu/courses-subject-code/ang/)		
NPB 121	Physiology of Reproduction	
NPB 121L	Physiology of Reproduction Laboratory	
NUT 115	Animal Nutrition	
NUT 122	(Discontinued for spring 2023) ^{**}	
NUT 123	(Discontinued for spring 2023) ^{**}	
NUT 123L	(Discontinued for spring 2023) ^{**}	
Total Units		20-24

¹

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

^{**}

Course(s) discontinued; see your advisor for course options.

Animal Science—Animal Genetics

Code	Title	Units
Choose ANS 015 or 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	
OR		
ANS 041 & 041L	Domestic Animal Production and Domestic Animal Production Laboratory	
OR		
ANS 021 & ANS 041	Livestock & Dairy Cattle Judging and Domestic Animal Production	
Animal Genetics		9
ANG 107	Genetics & Animal Breeding	
ANG 111	Molecular Biology Laboratory Techniques	
Additional Upper Division Courses		
Choose additional units to complete the 20-unit total: ¹		7-8
Upper Division Animal Science (ANS) courses. (https://catalog.ucdavis.edu/courses-subject-code/ans/)		
Animal Genetics (ANG) courses. (https://catalog.ucdavis.edu/courses-subject-code/ang/)		
AVS 103	Avian Development & Genomics	
NPB 121	Physiology of Reproduction	
NPB 121L	Physiology of Reproduction Laboratory	
NUT 115	Animal Nutrition	
NUT 122	(Discontinued for spring 2023) ^{**}	
NUT 123	(Discontinued for spring 2023) ^{**}	
NUT 123L	(Discontinued for spring 2023) ^{**}	
Total Units		20-24

¹

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

^{**}

Course(s) discontinued; see your advisor for course options.

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. (https://catalog.ucdavis.edu/courses-subject-code/ans/)		

Animal Genetics (ANG) courses. (https://catalog.ucdavis.edu/courses-subject-code/ang/)		
ABT 161	Water Quality Management for Aquaculture	3
NUT 124	Nutrition & Feeding of Finfishes	2
WFC 121	Physiology of Fishes	3
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 & ANS 041:		
ANS 041 & 041L	Domestic Animal Production and Domestic Animal Production Laboratory	2-4
OR		
ANS 021 & ANS 041	Livestock & Dairy Cattle Judging and Domestic Animal Production	2
ANS 104	Principles & Applications of Domestic Animal Behavior	4
Additional upper division courses.		
Choose 4 or 8 units:		
ANS 143	Pig & Poultry Care & Management	2
ANS 144	Beef Cattle & Sheep Production	2
ANS 146	Dairy Cattle Production	2
Choose additional units to complete the 20 unit total: ¹		
Upper Division Animal Science (ANS) courses. (https://catalog.ucdavis.edu/courses-subject-code/ans/)		
Animal Genetics (ANG) courses. (https://catalog.ucdavis.edu/courses-subject-code/ang/)		
NPB 121	Physiology of Reproduction	3
NPB 121L	Physiology of Reproduction Laboratory	2
NUT 115	Animal Nutrition	2
NUT 122	(Discontinued for spring 2023) ^{**}	2
NUT 123	(Discontinued for spring 2023) ^{**}	2
NUT 123L	(Discontinued for spring 2023) ^{**}	2
Total Units	20-21	
1		
Variable unit courses (092, 099, 192, 197T, 198, 199) are not allowed for the completion of this requirement.		
**		
Course(s) discontinued; see your advisor for course options.		
Animal Science—Equine		
Code	Title	Units
ANS 015	Introductory Horse Husbandry	3
ANS 103 or ANS 104	Animal Welfare	4
Principles & Applications of Domestic Animal Behavior		
ANS 115	Advanced Horse Production	4
ANS 141	Equine Enterprise Management	4