

# 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:		
ANS 103	Animal Welfare	4
ANS 104	Principles & Applications of Domestic Animal Behavior	5-8
Choose ANS 123 or ANS 124, or NPB 121 & NPB 121L:		
ANS 123 or ANS 124	Animal Growth & Development Lactation	
OR		8
NPB 121 & 121L	Physiology of Reproduction and Physiology of Reproduction Laboratory	
Choose additional units to complete the 20-unit total: <sup>1</sup>		
Upper Division Animal Science (ANS) courses. ( <a href="https://catalog.ucdavis.edu/courses-subject-code/ans/">https://catalog.ucdavis.edu/courses-subject-code/ans/</a> )		20-24
Animal Genetics (ANG) courses. ( <a href="https://catalog.ucdavis.edu/courses-subject-code/ang/">https://catalog.ucdavis.edu/courses-subject-code/ang/</a> )		
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

<sup>1</sup>

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

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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	
<i>Animal Genetics</i>		
ANG 107	Genetics & Animal Breeding	9
ANG 111	Molecular Biology Laboratory Techniques	
<i>Additional Upper Division Courses</i>		
Choose additional units to complete the 20-unit total: <sup>1</sup>		7-8
Upper Division Animal Science (ANS) courses. ( <a href="https://catalog.ucdavis.edu/courses-subject-code/ans/">https://catalog.ucdavis.edu/courses-subject-code/ans/</a> )		
Animal Genetics (ANG) courses. ( <a href="https://catalog.ucdavis.edu/courses-subject-code/ang/">https://catalog.ucdavis.edu/courses-subject-code/ang/</a> )		
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) **	
<b>Total Units</b>		<b>20-24</b>

<sup>1</sup>

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

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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: <sup>1</sup>		
Upper Division Animal Science (ANS) courses. ( <a href="https://catalog.ucdavis.edu/courses-subject-code/ans/">https://catalog.ucdavis.edu/courses-subject-code/ans/</a> )		

Animal Genetics (ANG) courses. (<https://catalog.ucdavis.edu/courses-subject-code/ang/>)

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 & ANS 041: 2-4

ANS 041 & 041L	Domestic Animal Production and Domestic Animal Production Laboratory
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**OR**

ANS 021 & ANS 041	Livestock & Dairy Cattle Judging and Domestic Animal Production
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ANS 104	Principles & Applications of Domestic Animal Behavior	4
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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: <sup>1</sup>

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** **22-28**

1

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

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

## Animal Science—Equine

**Code** **Title** **Units**

ANS 015	Introductory Horse Husbandry	3
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ANS 103 or ANS 104	Animal Welfare Principles & Applications of Domestic Animal Behavior	4
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ANS 115	Advanced Horse Production	4
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ANS 141	Equine Enterprise Management	4
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ANS 125	Equine Exercise Physiology	3
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or ANS 126 Equine Nutrition

Choose additional units to complete the 20 unit total: <sup>1</sup> 2-3

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** **20-21**

1

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

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