

DEPARTMENT OF ANIMAL SCIENCE

FOR FIRST YEAR STUDENTS ADMITTED ON OR AFTER FALL 2020, TRANSFER STUDENTS ADMITTED ON OR AFTER FALL 2022

2023-2024 CHECKLIST OF REQUIREMENTS

FOR THE B.S. DEGREE IN ANIMAL SCIENCE

1. <u>GENERAL UNIVERSITY REQUIREMENTS</u>: Entry Level Writing Requirement; American History & Institutions

GENERAL EDUCATION:

*See additional GE handout for how the Animal Science Major meets some GE requirements.

2. <u>ENGLISH</u> - Choose ONE of following options:

- a) Two courses from:
 - i. ENL 3, UWP 1, 48, 49, 101, UWP 102A-G, 104A-F; OR
 - ii. One from the previous list AND one from: COM 1, 2, 3, 4, NAS 5, CMN 1
- b) Advanced Placement English score of 4 or 5 plus any course on above list EXCEPT UWP 1 or ENL 3
- c) AFTER completing 70 units pass English Comp Exam

Please check in with the College of Agricultural and Environmental Sciences Dean's Office (150 Mrak Hall) often to review your General University and College English requirements.

3. PREPARATORY SUBJECT MATTER (minimum 53-57 units):

Animal Science (12 units): ANS 1 (4) (F) ANS 2 (4) (S) ANS 41 (2) (F) ANS 41L (2) (F, W) NOTE: ANS 1, 41, and 41L are	Biology (15 units) : BIS 2A (5) BIS 2B (5) BIS 2C (5)		General Chemistry (10 units) : CHE 2A (5) (F, W, SuI) CHE 2B (5) (W, S, SuII)	
waived for transfer students.Image: Chemistry (choose ONE sequence) (6-8 units):CHE 8A (2) (F, S, Sul)ORCHE 118A (4) (F, W, Sul)CHE 8B (4) (F, W, SuI, SuII)ORCHE 118B (4) (W, S, SuII)				

Mathematics (choose ONE sequence) (6-8 units):				
MAT 16A (3), MAT 16B (3) OR	MAT 19A (4), MAT 19B (4) OR			
MAT 17A (4), MAT 17B (4) OR	MAT 21A (4), MAT 21B (4)			
NOTE: MAT 16A, 16B will no longer be offered starting Fall 2024.				

Statistics (choose ONE course) (4 units):

PLS 120 (4) (F) **OR** STA 100 (4) NOTE: Students who took or received credit for STA 13 will only receive 2 units of academic credit for completing STA 100.

4. DEPTH SUBJECT MATTER (minimum 58-62 units):

Biology (24-25 units): ABI 102 (5) (F, W) ABI 103 (5) (W, S) ANG 107 (5) (F, S) ANS 100 (5) (S) OR NPB 101 (5) BIS 101 (4) (*BIS 101D – Optional*)

Applied Biology and Ethics (20 units):

ANS 104 (4) (F, S) ANS 150 (4) (W, S) ANS 170 (4) (F, W) NUT 115 (140) (4) (W, S) NUT 141 (4) (F, S)

4. DEPTH SUBJECT MATTER [Continued] (minimum 58-62 units):



Integrative Animal Biology (6-8 units):				
For ALL Specializations	For Aquatics Specialization	For Avian or Poultry		
(except Aquatics, Avian, or	(Choose 2 of 4):	Specializations		
Poultry)	ANS 123 (4) S	(Choose 2 of 4):		
(Choose 2 of 4):	EVE 112 (3) (W)	ANS 123 (4) (S)		
ANS 123 (4) (S)	NPB 123 (4) F	AVS 100 (3) (S)		
ANS 124 (4) (W)	WFC 120 (3) (F)	AVS 103 (3) (NCO)		
NPB 121 (4) (W)		NPB 130 (4) (F)		
NPB 130 (4) (F)				
Laboratory Course (choose ONE course) (3-5 units):				
ANG 111 (4) (F, W)	ANS 135 (3) (F)	MCB 120L (3)		
ANS 106 (3) (W)	ANS 137 (3) (S)	MCB 160L (5)		
ANS 130 (3) (S)	ANS 138 (3) (F ODD)	MIC 102 (3) + MIC 103L (2)		
ANS 132 (3) (F)	ANS 139 (3) (W)	NPB 101L (3)		
ANS 133 (4) (NCO)	ANS 160A (2) (W) + ANS 160B (2)	PMI 126L (2) (NCO)		
ANS 134 (3) (F, W)	(S)			

Specialization (12 units):

Select 12 letter graded units, with approval from your Faculty Advisor, to form a coherent series of courses centered on one of the following disciplines or species-specific concentrations: Animal Behavior, Biochemistry, Genetics, Nutrition, Physiology, Aquatic Animals, Avian Sciences, Companion and Captive Animals, Equine Science, Laboratory Animals, Livestock and Dairy, or Poultry.

Course	Units	Grade	Quarter

Note: Up to 3 units of ANS 194 or ANS 194HA may count towards specialization units with the approval from your faculty advisor. ANS 92,192, 99, and 199 will not count towards specialization units.

Students must have 180 units by the end of graduation.



ANS General Education Requirements

	Fulfilled By Major	Remaining Requirements
Breadth Units Total)	Science & Engineering (SE): CHE 2A 5 ANS 2 4 BIS 101 4 ANS 100/NPB 101 4 ANG 107 5	Arts & Humanities (AH):
Bread Units	12-20 units <u>max. 20</u>	12-20 units
Topical Breadth (Requires 52 Units T		Social Sciences (SS): ANS 170 4
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		<u>Total AH+SS</u> : <u>32 units</u> □ Satisfied
	Literacy with Words & Images: Writing Experience (WE): <u>ANS 2</u> <u>4</u> *The remaining 2 units can be satisfied with any of the	Civic & Cultural Literacy (3 courses required): 1. Domestic Diversity (DD):
Core Literacies (Requires 27 Units Total)	following courses or also GEs: ANS 41L, 42, 115, 123, 127, 131, 139, 142, 146, or 170). 6 units complete	3 units □ Satisfied 2. American Cultures, Governance and History
	Oral Skills or Additional Writing Experience (OL): BIS 2C5_	(ACGH):
	3 units <u>complete</u>	3 units
	Visual Literacy (VL): BIS 2B 5 3 units complete	3.World Cultures (WC):
	Quantitative Literacy (QL):MAT 16A33 unitscomplete	<u>Total</u> : <u>9 units</u> □ Satisfied
	Scientific Literacy (SL):MAT 16B3 units	
	<u>Total:18</u>	

Important Notice: AP Credit CANNOT be used as GE credit For more information, visit <u>https://catalog.ucdavis.edu/undergraduate-education/university-degree-requirements/general-education-ge-</u> requirements/.

KEY FOR LETTERS AND SYMBOLS USED IN THE ANS MAJOR CHECKLIST:

QUARTER OFFERED: F = FALL, W = WINTER, S = SPRING, Su I or Su II = SUMMER SESSIONS I OR II, NCO = NOT • CURRENTLY OFFERED, EOY = EVERY OTHER YEAR



UNIT VALUES ARE INDICATED WITHIN PARENTHESES