

**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. **GENERAL UNIVERSITY REQUIREMENTS:** Entry Level Writing Requirement; American History & Institutions

**GENERAL EDUCATION:**

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

2. **ENGLISH** - 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 waived for transfer students.

**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)

**Organic Chemistry (choose ONE sequence) (6-8 units):**

CHE 8A (2) (F, S, SuI)	<b>OR</b>	CHE 118A (4) (F, W, SuI)
CHE 8B (4) (F, W, SuI, SuII)	<b>OR</b>	CHE 118B (4) (W, S, SuII)

**Mathematics (choose ONE sequence) (6-8 units):**

MAT 16A (3), MAT 16B (3) <b>OR</b>	MAT 19A (4), MAT 19B (4) <b>OR</b>
MAT 17A (4), MAT 17B (4) <b>OR</b>	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 (except Aquatics, Avian, or Poultry)**

**(Choose 2 of 4):**

- ANS 123 (4) (S)
- ANS 124 (4) (W)
- NPB 121 (4) (W)
- NPB 130 (4) (F)

**For Aquatics Specialization**

**(Choose 2 of 4):**

- ANS 123 (4) S
- EVE 112 (3) (W)
- NPB 123 (4) F
- WFC 120 (3) (F)

**For Avian or Poultry**

**Specializations**

**(Choose 2 of 4):**

- ANS 123 (4) (S)
- AVS 100 (3) (S)
- AVS 103 (3) (NCO)
- NPB 130 (4) (F)

**Laboratory Course (choose ONE course) (3-5 units):**

- ANG 111 (4) (F, W)
- ANS 106 (3) (W)
- ANS 130 (3) (S)
- ANS 132 (3) (F)
- ANS 133 (4) (NCO)
- ANS 134 (3) (F, W)

- ANS 135 (3) (F)
- ANS 137 (3) (S)
- ANS 138 (3) (F ODD)
- ANS 139 (3) (W)
- ANS 160A (2) (W) + ANS 160B (2) (S)

- MCB 120L (3)
- MCB 160L (5)
- MIC 102 (3) + MIC 103L (2)
- NPB 101L (3)
- PMI 126L (2) (NCO)

**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.**

<u>Course</u>	<u>Units</u>	<u>Grade</u>	<u>Quarter</u>

**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.**



- UNIT VALUES ARE INDICATED WITHIN PARENTHESES