

**2019-2020 CHECKLIST OF REQUIREMENTS
FOR THE B.S. DEGREE IN ANIMAL SCIENCE AND MANAGEMENT**

Name _____
ID _____

Choose a Specialization from the following:

- Aquatic Animals
- Companion Animals
- Dairy
- Equine
- Livestock
- Poultry
- Individualized

___ 1. **GENERAL UNIVERSITY REQUIREMENTS:** Entry Level Writing Requirement ___; Amer. History & Inst ___

**GENERAL EDUCATION:
* See alternate handout ***

___ 2. **ENGLISH** - Choose **ONE** of following options:

- ___ 1) Two courses from:
ENL 3, UWP 1, UWP 18, 19, 101, UWP 102A-G, 104A-F, NEM 150; OR
One from the previous list **AND** one from:
COM 1, 2, 3, 4, NAS 5, CMN 1
- ___ 2) Advanced Placement English score of 4 or 5 plus any course on above list
EXCEPT UWP 1 or ENL 3
- ___ 3) **AFTER** completing 70 units pass English Comp Exam

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

___ 2a. **Additional 8 units of UWP/Communication courses (cannot overlap with College UWP/ENL requirements above):**

Select two of the following courses: CMN 120 (4) ____, CMN 122 (4) W, S ____, CMN 130 (4) ____,
CMN 136 (4) F, W ____, CMN 140 (4) ____, UWP 101 (4) ____, UWP 102A-G (4) ____, UWP 104A-F (4) ____,

___ 3. **PREPARATORY SUBJECT MATTER (71-74 units)**

- ___ a) ANS 1 (4) F ____, ANS 2 (4) S ____ (ANS 1 is waived for incoming transfer students; ANS 2 may be waived with appropriate coursework or animal experience).
- ___ b) CHE 2A (5) F, W ____, 2B (5) W, S ____
- ___ c) CHE 8A (2) F, S, SuI ____ 8B (4) F, W, SuI, SuII ____ OR Equivalent
- ___ d) BIS 2A (5) ____, 2B (5) ____, 2C (5) ____
- ___ e) MAT 16A (3) ____, MAT 16B (3) ____, MAT 16C (3) ____ or more advanced mathematics courses (MAT 17A-C or MAT 21A-C)
- ___ f) **One of the following:** PLS 120 (4) F ____, STA 100* (4) ____, STA 103 (4) ____ (STA 13 is a prerequisite)
*Students who have already taken or received credit for STA 13 will only receive 2 units of academic credit for completing STA 100.
- ___ g) PLS 21 (3) ____ **OR** ECS 15 (4) NCO ____
- ___ h) ECN 1A (4) ____, 1B (4) ____
- ___ i) MGT 11A (4) F, W ____, 11B (4) S ____

KEY FOR LETTERS AND SYMBOLS USED IN CHECKLIST:

- QUARTER OFFERED: F = FALL, W = WINTER, S = SPRING, Su I or Su II = SUMMER SESSIONS I OR II
- UNIT VALUES ARE INDICATED WITHIN PARENTHESES

Revised 7/24/19

___ 4. **DEPTH SUBJECT MATTER** (29-30 units) (Your Major GPA consists of items 4a – f):

___ a) BIS 101 (4) ___ (*BIS 101D-optional*)

___ b) NUT 115 (4) W ___

___ c) ANS 100 (5) S ___ OR NPB 101 (5) ___

___ d) Business Management - ARE 100A (4) F, W, S, SuI ____, ANS 128 (4) W ____, and

One from: ARE 112 (4) F, W, S, SuII ____, ARE 113 (4) W ____, ARE 132 (3) W ____, ARE 139 (4) S, SuI ____
(*PLS 120 / STA 100 approved as a prerequisite - need to complete prerequisite petition*)

One from: ARE 120 (4) S ____, ARE 140 (4) W ____, ARE 145 (4) W, SuII ____, ARE 157 (4) S ____
(*ANS 128 and PLS 120 / STA 100 approved as prerequisites - need to complete prerequisite petition*)

e) AREAS OF SPECIALIZATIONS (14-18 units)

Choose **one** area of specialization below

EOY = Every other year

NCO = Not currently offered

Note: If a required course is offered alternating years and you are not able to take it by your graduating year, please contact the Animal Science Advising Center.

Aquatic Animals (14-16 units): Choose one of the following options

1. **Bodega Bay Coursework, Spring: 12 units or Summer: 10 units (strongly recommended)**_____,
ANS 148 (4) S ____

Note: For more information on Bodega Bay Marine Laboratories, visit: <http://bml.ucdavis.edu/>

2. ANS 18 (4) F ____, EVE 115 (4) W ____, ANS 148 (4) S ____, ANS 112 (3) S ____ **OR** ANS 136 (3) F ____

Companion Animals (16 units)

ANS 42 (4) W ____, ANS 140 (4) F ____, ANS 142 (4) F ____, ANS 148 (4) S ____

Dairy (18 units)

ANS 41 (2) F ____, ANS 41L (2) F, W, ____, ANS 120 (3) W ____, ANS 120L (2) W ____, ANS 146 (5) S ____,
ANS 148 (4) S ____

Equine (15 units)

ANS 15 (3) W ____, ANS 115 (4) F ____, ANS 141 (4) S ____, ANS 148 (4) S ____

Livestock (17 units)

ANS 41 (2) F ____, ANS 41L (2) F, W ____, ANS 143 (4) F (EOY ODD) ____ **or** ANS 144 (4) S ____,
ANS 120 (3) W ____, ANS 120L (2) W ____, ANS 148 (4) S ____

Poultry (16 units)

AVS 13 (Restricted to lower division standing) (3) F ____, ANS 120 (3) W ____, ANS 120L (2) W ____,
ANS 143 (4) F (EOY ODD) ____, ANS 148 (4) S ____

- QUARTER OFFERED: F = FALL, W = WINTER, S = SPRING, Su I or Su II = SUMMER SESSIONS I OR II
- UNIT VALUES ARE INDICATED WITHIN PARENTHESES

Individualized (14-16 units)

Students may, with *PRIOR* approval of one of the staff advisors and the Master Advisor, design their own individualized specialization within the major. The specialization will consist of 4 to 6 courses including Animal Science 148. The other courses will include an introduction, care and management, and processing and/or marketing aspects of the animal of interest.

Course	Units
ANS 148	4 (offered spring)

- QUARTER OFFERED: F = FALL, W = WINTER, S = SPRING, Su I or Su II = SUMMER SESSIONS I OR II
- UNIT VALUES ARE INDICATED WITHIN PARENTHESES

f) **Restricted Electives** - at least 2 additional courses (minimum 8 units) selected with the approval of advisor (recommended courses listed below, **if not selected on previous pages for satisfying other requirements**).

<u>Agricultural & Resource Economics (ARE)</u>	<u>Animal Genetics (ANG)</u>	<u>Animal Science (ANS), continued</u>	<u>Management (MGT)</u>
18 (4) F, W, S, SuI	105 (2) W	137 (3) S	103 (4) F
112 (4) F, W, S, SuII	107 (5) F, S	139 (3) W	
120 (4) S	111 (4) F,W	140* (4) F	<u>Neurobiology, Physiology & Behavior (NPB)</u>
130 (4) F		141 (4) S	102 (3) F, W, S, SuI
136 (4) F, W, S, SuII	<u>Animal Science (ANS)</u>	142 (4) F	121 (4) W
138 (4) W	103 (4) W	143 (4) F EOY ODD	121L (1) W
142 (3) F, S	104 (4) F, S	144 (4) S	130 (4) F
143 (3) F, W, SuI	106 (2) W	145 (4) W	
144 (3) W, S, SuII	107 (3) SuII	146 (5) S	<u>Nutrition (NUT)</u>
145 (4) W, SuII	115 (4) F	150 [198] (4) S	122 (4) S
150 (4) S	120 (3) W	170 (4) F, S	
155 (4) F, W, S, SuI	120L (2) W	192 (variable)**	
157 (4) W	123 (4) S	194 (3) F, W, S**	123 (3) S
171 (4) F, W, S, SuI	124 (4) W	194H (4) F, W, S**	123L (1) S
172 (4) W, S, SuII	125 (3) W EOY ODD		
176 (4) W	126 (3) W EOY EVEN	<u>Avian Sciences (AVS)</u>	
	127 (3) S	100 (3) S	<u>Wildlife, Fish & Conservation Biology (WFC)</u>
<u>Animal Biology (ABI)</u>	128 (4) W	103 (3) F	120 (3) F
102 (5) F (required for pre-vet)	129 (3) W EOY ODD	115 (3) SuII	120L (1) F
103 (5) W	133 (4) W		130 (4) W
	134 (3) W	<u>Engineering: Computer Science (ECS)</u>	
	135 (3) F	124 (4) S	
	136 (3) F		

Note: You may only use courses that are not a part of your specialization requirement.

**Can only be used once for credit in this category. Additionally, only 4 UNITS of ANS 192 may be used

5. **UNRESTRICTED ELECTIVES:** To bring the total units to at least 180 (10-40 units).

ADDITIONAL COURSES FOR UC DAVIS SCHOOL OF VETERINARY MEDICINE PREP (SUBJECT TO CHANGE):

- CHE 2C (5) F, S, SuI ____
- If CHE 118A-B taken, CHE 118C F, S, SuI (4) ____
- ABI 102 (5) F ____ (if not chosen for Restricted Electives)
- PHY 1A (3) F ____, PHY 1B (3) W ____ **OR** PHY 7A ____; 7B ____
 - For students interested in other veterinary schools, PHY 7C ____ is recommended
- Completion of a Bachelor's Degree covers English requirement for the UC Davis Veterinary School.
 - For students interested in other veterinary schools, 12 units of English may be required.

Note: If you are planning to apply to other Veterinary schools, you may be required to take more/higher level courses in English and other requirements. It is important to regularly check the admissions criteria to make sure you fulfill each school's unique requirements. For more information, please refer to the UCD Veterinary Medicine admissions website or see an Animal Science Advisor.

KEY FOR LETTERS AND SYMBOLS USED IN CHECKLIST:

- QUARTER OFFERED: F = FALL, W = WINTER, S = SPRING, Su I or Su II = SUMMER SESSIONS I OR II
- UNIT VALUES ARE INDICATED WITHIN PARENTHESES

Revised 7/24/19

ANM Courses That Fulfill General Education Requirements

	Fulfilled By Major	Remaining Requirements
Topical Breadth (Requires 52 Units Total)	Science & Engineering (SE):	Arts & Humanities (AH): (UWP Upper Div.)
	<u>CHE 2A</u> <u>5</u>	_____
	<u>CHE 2B</u> <u>5</u>	_____
	<u>BIS 2A</u> <u>5</u>	_____
	<u>BIS 2B</u> <u>5</u>	_____
	12-20 units <u>max. 20</u>	_____
	Social Sciences (SS):	12-20 units
	<u>ECN 1A</u> <u>4</u>	_____
	<u>ECN 1B</u> <u>4</u>	_____
	<u>MGT 11A</u> <u>4</u>	_____
<u>MGT 11B</u> <u>4</u>	_____	
<u>ARE 100A</u> <u>4</u>	_____	
12-20 units <u>max. 20</u>	Total AH: <u>12 units</u> <input type="checkbox"/> Satisfied	
Core Literacies (Requires 27 Units Total)	Literacy with Words & Images: Writing Experience (WE):	Civic & Cultural Literacy Continued (2 courses required):
	<u>ANS 2</u> <u>4</u>	Domestic Diversity (DD):
	<u>NUT 115</u> <u>4</u>	_____
	6 units <u>complete</u>	_____
	Oral Skills or Additional Writing Experience (OL):	3 units _____ <input type="checkbox"/> Satisfied
	<u>BIS 2C</u> <u>5</u>	World Cultures (WC):
	3 units <u>complete</u>	_____
	Visual Literacy (VL):	3 units _____ <input type="checkbox"/> Satisfied
	<u>BIS 2B</u> <u>5</u>	_____
	3 units <u>complete</u>	Total: <u>6 units</u> <input type="checkbox"/> Satisfied
Quantitative Literacy (QL):		
<u>MAT 16A</u> <u>3</u>		
3 units <u>complete</u>		
Scientific Literacy (SL):		
<u>MAT 16B</u> <u>3</u>		
3 units <u>complete</u>		
Civic & Cultural Literacy: American Cultures, Governance & History (ACGH):	Important Notice: AP Credit CANNOT be used as GE credit	
<u>ECN 1A</u> <u>4</u>	For more information, visit	
3 units <u>complete</u>	http://catalog.ucdavis.edu/ugraded/gereqt.html .	
Total: <u>21</u>		

KEY FOR LETTERS AND SYMBOLS USED IN CHECKLIST:

- QUARTER OFFERED: F = FALL, W = WINTER, S = SPRING, Su I or Su II = SUMMER SESSIONS I OR II
- UNIT VALUES ARE INDICATED WITHIN PARENTHESES

Revised 7/24/19

ANIMAL SCIENCE AND MANAGEMENT MAJOR STUDY PLAN

Students must complete 39 units in three quarters or regular academic year. (Average of 13 units per quarter; e.g. take 12, 12, and 15 units)

NAME: _____ ENTERED MAJOR: _____ Qtr./Yr. _____

Note: Beginning students may elect to start CHE 2A winter quarter followed by CHE 2B in spring. BIS 2A then may be taken concurrently with CHE 2B or the following fall. ANM students should take MGT 11A, 11B, MAT 16A, 16B, and 16C in their 1st or 2nd year. Complete ECN 1A and 1B during their second year. Students should try to complete all chemistry courses during their first two years. See ANM recommended course schedule for more details.

FALL _____	WINTER _____	SPRING _____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Summer Session (I, II)

Note: It is important to take CHE 8A and 8B or equivalent in the sophomore year. Some students may complete BIS101 spring quarter. BIS 2B or 2C (or equivalent) should be completed this year. Students should also try to complete BIS 101 and ANS 100/NPB 101 as soon as they complete the prerequisites for these courses.

FALL _____	WINTER _____	SPRING _____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Summer Session (I, II)

FALL _____	WINTER _____	SPRING _____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Summer Session (I, II)

FALL _____	WINTER _____	SPRING _____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Summer Session (I, II)

1. Complete this STUDY PLAN early.
2. MAJOR CERTIFICATION for the major must be completed in the quarter of graduation.
3. At LEAST 180 units and no more than 225 units with at least 54 upper division units are required for the B.S. degree.

KEY FOR LETTERS AND SYMBOLS USED IN CHECKLIST:

- QUARTER OFFERED: F = FALL, W = WINTER, S = SPRING, Su I or Su II = SUMMER SESSIONS I OR II
- UNIT VALUES ARE INDICATED WITHIN PARENTHESES