

## Bachelor of Science in Animal Sciences Honors Pre-Veterinary/Science Option

### University Honors and Departmental Requirements:

Foundational Competencies	Credits	Semester(s) Offered	Taken	Grade
<i>English (3)</i>				
ENGLISH 298: Writing and Research Honors	3	Fall, Spring		
<i>Communication (STAMP test intermediate competency)</i>				
FOR_LANG 101, 102, 203, 204: Foreign language	16	Varies by course		
<i>Mathematics (4)</i>				
STAT 212: Statistics	4	F, Sp, Summer		

Ways of Knowing				
<i>Inquiry in the Social Sciences (3)</i>				
HONORS 270: Principles & Research Methods in Social Science	3	F, Sp		
<i>Inquiry in the Arts and Humanities (3)</i>				
HONORS 280: Contextual Understanding in the Arts and Humanities	3	F, Sp		
<i>Inquiry in the Natural Sciences (7)</i>				
BIOLOGY 106: Organismal Biology	4	F, Sp, Su		
HONORS 290: Science as a Way of Knowing	3	F, Sp		

Integrative and Applied Learning				
<i>Global Diversity (9)</i>				
HONORS 370: Case Study: Global Issues in Social Sciences	3	F, Sp		
HONORS 380: Case Study: Global Issues in the Arts and Humanities	3	F, Sp		
HONORS 390: Case Study: Global Issues in the Sciences	3	F, Sp		
<i>Integrative Capstone (4)</i>				
HONORS 398: Honors Thesis Proposal Seminar	1	F, Sp		
HONORS 450: Honors Thesis or Project	3	F, Sp, Su		

Animal Sciences Core (16 credits)				
ANIM_SCI 101: Introductory Animal Science	3	F		
ANIM_SCI 180: Freshman Orientation Course	1	F		
ANIM_SCI 240: Intro to Domestic Anatomy & Physiology	3	Sp		
ANIM_SCI 313: Feeds and Feeding	4	F (or Sp at U of Idaho)		
ANIM_SCI 330: Animal Genetics	3	F		
ANIM_SCI 350: Physiology of Reproduction	3	Sp (or F at U of Idaho)		
ANIM_SCI 351: Physiology of Reproduction Lab	1	Sp (or F at U of Idaho)		
ANIM_SCI 380: Careers in Animal Science	1	F, Sp		

Additional Requirements for the Major (26 credits)				
Animal Management Lab: ANIM_SCI 166, 172, 174 or 280	1	F-172, 174; Sp-178		
Animal Production Course: ANIM_SCI 464, 466, 472, 474	3	Varies by course		
BIOLOGY 107: Cell Biology and Genetics	4	F, Sp, Su		
CHEM 105: Chemistry	4	F, Sp, Su		
CHEM 106 or 116: Chemistry or Honors Chemistry	4	F, Sp, Su		
MATH 140: Calculus for Life Sciences (or MATH 106+108)	4	F, Sp		
Writing in the Major (2 [M] courses): ANIM_SCI 408, 440, 451, 464, 468, 472, 473, 474, 478, 485, 488	6	Varies by course		

Honors Pre-Veterinary/Science Option (35-37 credits)				
Animal Sciences 200-300-Level Electives: 205, 260, 274, 280, 285, 314, 315, 345, 346, 360	5-6	Varies by course		
Animal Sciences 400-Level Electives: ANIM_SCI 408, 440, 451, 454, 460, 464, 466, 468, 472, 473, 474, 476, 478, 485, 488 (one must be a CAPS course)	9	Varies by course		
CHEM 345: Organic Chemistry	4	F, Sp, Su		
ECONS 101 or 198: Microeconomics or Honors Economics	3	F, Sp, Su		
MBIOS/BIOLOGY 301: General Genetics	4	F, Sp, Su		
MBIOS 303: Introductory Biochemistry	4	F, Sp, Su		
PHYSICS 101/111: General Physics with lab	4	F, Sp, Su		
Veterinary science elective: MBIOS 305, VET_CLIN 361, Biol 324	3-4	Varies by course		

Checklist:		
Requirement	Credits	✓
Writing Portfolio	--	
Certify Major	24	
Honors	49	
Animal Sciences Core	16	
Additional for Major	26	
Honors Pre-Vet Option	35-37	
Open Electives	variable	
Total Credits	120	
Upper-Division	40	
Writing in the Major	6	

**Notes:**

To certify in Animal Sciences, complete ≥ 24 credits with cumulative GPA ≥ 2.0.

Courses may be offered in Fall (F), Spring (Sp) and/or Summer (Su). Certain ANIM\_SCI courses may be taken at the University of Idaho.

## ANIMAL SCIENCES - HONORS PRE-VETERINARY/SCIENCE OPTION

The Animal Sciences degree focuses on the biology of animals kept by humans for various purposes. The *Honors Pre-Veterinary/Science Option* places emphasis on basic science courses. This option is recommended for Honors students planning to attend graduate school, work in an area of science or biotechnology, or apply to the professional program leading to the Doctor of Veterinary Medicine.

### SAMPLE FOUR-YEAR PLAN<sup>1</sup>

	Fall Semester	Credits <sup>2</sup>	Spring Semester	Credits
<b>First Year</b>	ANIM_SCI 101 ANIM_SCI 180 *CHEM 105 FOR_LANG 101 *MATH 106 or 140 <sup>3</sup>	3 1 4 4 3-4 <b>15-16</b>	*BIOLOGY 106 or 107 *CHEM 106 or 116 ENGLISH 298 FOR_LANG 102 *MATH 108 <sup>3</sup>	4 4 3 4 (2) <b>15-17</b>
<b>Second Year</b>	ANIM_SCI 172 or 174 *BIOLOGY 106 or 107 *CHEM 345 FOR_LANG 203 HONORS 270 HONORS 398	1 4 4 4 3 1 <b>17</b>	FOR_LANG 204 HONORS 280 *MBIOS 303 *STAT 212 ECONS 101 or 198	4 3 4 4 3 <b>18</b>
<b>Third Year</b>	ANIM_SCI 313 ANIM_SCI 330 ANIM_SCI 380 ANIM_SCI Elective *BIOLOGY/MBIOS 301 HONORS 290	4 3 1 3 4 3 <b>18</b>	ANIM_SCI 350 ANIM_SCI 351 ANIM_SCI Elective HONORS 370 HONORS 380 MBIOS 305 or VET_CLIN 361	3 1 3 3 3 3 <b>16</b>
<b>Fourth Year</b>	ANIM_SCI 440[M], 464(CAPS), 472 (CAPS), or 488 [M] ANIM_SCI 400-Level Elective HONORS 390 *PHYSICS 101/111 Electives	3 3 3 4 3 <b>16-18</b>	ANIM_SCI Production Course [M] or ANIM_SCI 400-Level Elective ANIM_SCI 400-Level Elective HONORS 450 BIOLOGY 324 Electives	3 3 3 3 3 <b>15</b>

<sup>1</sup> This is an example of a 4-year plan. Your program may include different courses. Consult with your advisor about the best combination and order of courses for you.

<sup>2</sup> Take MATH 106 & 108 if needed. Note dates covered by different sections (accelerated sections: MATH 106 & 108 completed in one semester).

<sup>3</sup> Total credits must equal at least 120. Students typically complete more than the minimum.

\* **VETERINARY MEDICINE PREREQUISITES:** BIOLOGY 106 & 107, CHEM 105, 106 & 345, MATH 106 & 108 (or calculus), MBIOS/BIOLOGY 301, MBIOS 303, PHYSICS 101/111, and STAT 212 (or STAT 412 or PSYCH 311) are prerequisites for entry into the WSU Veterinary Medicine program in addition to completion of the Honors requirements (or BS degree). Students are encouraged to take additional upper division science courses including, but not limited to, animal nutrition, physiology, anatomy, microbiology and immunology. CHEM 348 should be taken in preparation for graduate and professional programs requiring two semesters of organic chemistry.