

UNIVERSITY OF WYOMING

Animal and Veterinary Science (ANVS)

Animal Biology Option



Total Credit Hour requirement: **128 minimum**

Effective: Fall 2017

Upper-Division Hour requirement: **42 minimum**

Name: _____

W#: _____

University Studies Program (not met as part of degree reqts)

* C or better required

USP Course #	Title	Cr	Sem/Yr	Grade
<input type="checkbox"/> FYS	_____	3	_____	*
	Must be completed with C or better within the first year at UW. May be waived with 30 or more credits of post-high school credit (transfer).			
<input type="checkbox"/> C1	_____	3	_____	_____
	Typically ENGL 1010, but may be met with Honors and other courses			
<input type="checkbox"/> C2	_____	3	_____	_____
	PreReq: Completion of C1.			
<input type="checkbox"/> H	_____	3	_____	_____
	AGEC 1020 recommended			
<input type="checkbox"/> H	_____	3	_____	_____
<input type="checkbox"/> V	_____	3	_____	_____
	Check degree evaluation for eligibility for Challenge Exam (POLS 1000 by exam)			

Major in Animal and Veterinary Science

* C or better required

USP Course #	Title	Cr	Sem/Yr	Grade
<input type="checkbox"/> ANSC 3010	Comp Anatomy & Phys Domestic Anim	4	_____	*
	PreReq: LIFE 2022 with C or better			
<input type="checkbox"/> ANSC 3100	Prin Animal Nutrition	3	_____	*
	PreReq: ANSC 2010 or CHEM 2300			
<input type="checkbox"/> C3 ANSC 4630	Topics & Issues in ANSC	3	_____	*
	PreReq: SR standing and C2.			
<input type="checkbox"/> PN LIFE 1010	General Biology	4	_____	*
	PreReq: MATH ACT ≥ 21 or MPE ≥ 2			
<input type="checkbox"/> PN LIFE 2022	Animal Biology	4	_____	*
	PreReq: LIFE 1010 with C or better			
<input type="checkbox"/> Q MATH 1400	College Algebra	3	_____	*
	PreReq: MATH 0925 with C or better, or MATH ACT ≥ 23 , or MPE ≥ 3 . MATH 1450 may replace MATH 1400 & 1405. Waived with MATH ACT ≥ 26 or MPE ≥ 3 .			
<input type="checkbox"/> Q STAT 2050	Fund in Statistics	4	_____	_____
	PreReq: MATH 1400 with C or better, or MATH ACT ≥ 26 or MPE ≥ 4			

Concentration in Animal Biology

* C or better required

USP Course #	Title	Cr	Sem/Yr	Grade
<input type="checkbox"/> ANSC 1010	Intro to Animal Science	4	_____	_____

<input type="checkbox"/>	ANSC 4120	Prin Mammalian Reproduction	3		*
	<i>PreReq: course in systemic anatomy and physiology/endocrinology</i>				
<input type="checkbox"/>	PN CHEM 1020	General Chemistry I	4		
	<i>PreReq: MATH 1400 or MATH ACT ≥ 23 or MPE ≥ 3</i>				
<input type="checkbox"/>	PN CHEM 1030	General Chemistry II	4		
	<i>PreReq: CHEM 1020</i>				

Chemical Science Elective: Choose either CHEM 2300, or both CHEM 2420 and 2440

<input type="checkbox"/>	CHEM 2300	Introductory Organic Chemistry	3		
	<i>PreReq: CHEM 1000 or 1020</i>				
<input type="checkbox"/>	CHEM 2420	Organic Chemistry I	4		
	<i>PreReq: CHEM 1030</i>				
<input type="checkbox"/>	CHEM 2440	Organic Chemistry II	4		
	<i>PreReq: CHEM 1030 and 2420</i>				
<input type="checkbox"/>	FDSC 3060	Prin Meat Sci & Muscle Biology	3		*
	<i>PreReq: CHEM 1000 and LIFE 1010</i>				
<input type="checkbox"/>	LIFE 3050	Genetics	4		
	<i>PreReq: LIFE 2022 with C or better</i>				
<input type="checkbox"/>	Q MATH 1405	Trigonometry	3		
	<i>PreReq: MATH 1400 with C or better, or MATH ACT ≥ 25, or MPE ≥ 4. MATH 1450 may replace MATH 1400 & 1405.</i>				

Microbiology Elective: Choose either MICR 2021 or MICR 2240

<input type="checkbox"/>	MICR 2021	General Microbiology	4		
	<i>PreReq: LIFE 1010 with C or better, and CHEM 1000 or 1020.</i>				
<input type="checkbox"/>	MICR 2240	Medical Microbiology	5		
	<i>PreReq: LIFE 1010</i>				
<input type="checkbox"/>	MOLB 3610	Prin of Biochemistry	3		
	<i>PreReq: CHEM 1000 or 1020</i>				

Biochemistry Elective: Choose either MOLB 4100, or both MOLB 4600 and 4610

<input type="checkbox"/>	MOLB 4100	Clinical Biochemistry	3		
	<i>PreReq: LIFE 1010 with C or better, and CHEM 1000 or 1020.</i>				
<input type="checkbox"/>	MOLB 4600	Biochemistry I	3		*
	<i>PreReq: Grade of C or better in both MOLB 3000 and CHEM 2420 or 2300</i>				
<input type="checkbox"/>	MOLB 4610	Biochemistry II	3		
	<i>PreReq: Grade of C or better in both MOLB 4600</i>				
<input type="checkbox"/>	MOLB 4400	Immunology	4		
	<i>PreReq: PATB 2220</i>				

Physics Elective: Choose either PHYS 1050, or both PHYS 1110 and 1120

<input type="checkbox"/>	PN PHYS 1050	General Physics I	4		
	<i>PreReq: MATH 1000 or MPE ≥ 3</i>				
<input type="checkbox"/>	PN PHYS 1110	General Physics I	4		
	<i>PreReq: MATH 1405 or 1450</i>				
<input type="checkbox"/>	PN PHYS 1120	General Physics II	4		
	<i>PreReq: PHYS 1110</i>				
<input type="checkbox"/>	ZOO 3600	Prin of Animal Behavior	3		*
	<i>PreReq: introductory course in zoology, biology or psychology</i>				

Free Electives (to 128 total and/or 42 upper-division credit hours)

<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					