

Map of Typical 4 Year ANVS Pre-Veterinary Curriculum under USP2015

Admissions Prerequisites
WICHE Veterinary Schools

Year	Semester	Category	Credits	Prerequisites	WSU	CSU	OSU	UCD	
1	Fall	XXXX	First Year Seminar	FYS	3				
		MATH 1400	College Algebra	Q	3	Prerequisite: grade of C or better in Math 0925 or Level 3 on the Math Placement Exam or Math ACT of 23 or Math SAT of 600			
		LIFE 1010	General Biology	PN	4	Prerequisites: grade of C or better in MATH 0921 or level 2 on the Math Placement Exam or math ACT of 21 or math SAT of 600			
		Chem 1020	General Chemistry I	PN	4	Prerequisite: ACT Math score of 23 or above, or concurrent enrollment in Math 1400, or 1405 or 1450.			
			Total:		14				
Spring		MATH 1405	Trigonometry	Q	3	Prerequisite: grade of C or better in MATH 1400 or Level 4 on the Math Placement Exam or Math ACT of 25 or Math SAT of 600			
		CHEM 1030	General Chemistry II	PN	4	CHEM 1020			
		ENGL 1010	College Composition and Rhetoric	COM1	3				
		HIST 1250	History of Wyoming	V	3				
		LIFE 2022	Animal Biology	PN	4	Prerequisites: LIFE 1010 with a grade of C or better			
			Total:		17				
2	Fall	PHYS 1110	General Physics I	PN	4	Prerequisite: MATH 1450, 1405 or equivalent			
		CHEM 2420	Organic Chemistry I	PN	4	Prerequisite: CHEM 1030 or 1060			
		STAT 2050	Fundamentals of Statistics	Q	4	Prerequisite: grade of C or better in MATH 1000, 1400 or equivalent			
		HIST 1210	United States History I	H	3				
			Total:		15				
Spring		PHYS 1120	General Physics II	PN	4	Prerequisite: PHYS 1110			
		CHEM 2440	Organic Chemistry II	PN	4	Prerequisites: CHEM 1030 or 1060 and 2420. Note: CHEM 2300 is not an acceptable prerequisite for CHEM 2440.			
		AGEC 1020	Principles of Microeconomics		3				
		COJO XXXX	Public Speaking*	COM2	3				
		ENGL 1080	Intro to Womens Studies		3				
			Total:		17				
3	Fall	MOLB 3610	Principles of Biochemistry	UD	4	Prerequisites: LIFE 1010 and a grade of C or better in CHEM 2300 or 2440			
		MICR2021	General Microbiology		4	Prerequisites: LIFE 1010, CHEM 1000 or equivalent			
		ANSC 3100	Principles of Animal Nutrition	UD	3	Prerequisite: CHEM 2300 or ANSC 2010			
		PHIL 1000	Intro to Philosophy	H	3				
		ANSC 4120	Mammalian Reproduction		3				
			Total:		17				
Spring		MICR 2220	Pathogenic Microbiology		4	Prerequisite: MICR/MOLB 2210			
		ANSC 3010	Comparative Anatomy and Physiology of Domestic Animals	UD	4	Prerequisites: LIFE 1010 and 2022 with a minimum grade of C			
		PATB 4400	Immunology	UD	4				
		ANSC 3150	Equine Nutrition & Physiology	UD	3				

				Total:	15				
--	--	--	--	---------------	-----------	--	--	--	--

4	Fall	LIFE 3050	Genetics	UD	4	Prerequisite: completion of LIFE 1010 and one of LIFE 2022, 2023, or MICR/MOLB 2021 with a grade of C or higher in each	X	X	X	X
		PHIL 3100	History of Modern Philosophy: The Rationalists	UD	3	Prerequisite: 3 hours of philosophy				X
		PATB 4110	Diseases of Food Animals	UD	3	Prerequisite: LIFE 2022				
		PATB 4710	Medical Virology	UD	3	Prerequisite: MOLB 2240				
		PATB 4360	Medical Entomology and Parasitology	UD	4	Prerequisite: 8 hours of biological science.				
				Total:	17					

	Spring	PATB 4130	Mammalian Pathobiology	COM3	3	Prerequisite: C or better in LIFE 2022				
		PATB 4001	Epidemiology	UD	3	Prerequisite: STAT 2050				
		PATB 4170	Diseases of Wildlife	UD	3					
		PATB 4111	Equine Health and Disease	UD	3	Prerequisites: ANSC 1030, ANSC 3150				
		LIFE 3600	Cell Biology	UD	4					
				Total:	16					

Courses in **BOLD** are specifically required for this major.

Please note the following:

1. Entering students without Level 3 on the Math Placement Exam, a Math ACT score of 23 or better or a MATH SAT score of 600 or better will not be able to enroll in MATH 1400, LIFE 1010 or General Chemistry I. This will result in an additional year to complete this curriculum.
2. Failure to obtain a grade of C or better in MATH 1400 or LIFE 1010 will result in an inability to enroll for MATH 1405 or LIFE 2022, respectively. This will result in an additional year to complete this curriculum.
3. Students who do not enroll for an average of 16 relevant credit hours each semester will not complete this curriculum in four years.
4. Students intending to go on to veterinary school need to be aware that grades will keep them out. A GPA of about 3.5 is average for successful vet school applicants.

Summary

Category	Credits
FYS	3
COM1	3
COM2	3
COM3	3
Q	10
PN	32
H	6
V	3
UD	48
Total	128