

“W” Number: _____
 Student Name: _____
 Advisor Name: _____

Catalog: 2021-2022 University of Wyoming Catalog
 Program: Animal and Veterinary Science, Animal Biology
 Option, B.S.

Animal and Veterinary Science, Animal Biology Option, B.S.

This option within the major requires more complete and stringent basic sciences. Students may complete premedical requirements or other pre-professional allied health requirements while completing a B.S. degree that prepares them for alternate career choices. Selected courses provide opportunity for more complete exposure in both biological sciences and pathobiology. Possible alternatives to professional schools include graduate school admission or employment by government or industry in research, promotion or sales.

Because of the variation in pre-professional requirements for different professional programs, students are encouraged to determine the specific requirements of the programs in which they are interested.

Animal and Veterinary Science

Required Courses:

Course Name	Credits:	Term Taken	Grade	Gen Ed
ANSC1010 - Introduction to Animal Science	Credits: 4			
ANSC3010 - Comparative Anatomy and Physiology of Domestic Animals *	Credits: 4			
ANSC3100 - Principles of Animal Nutrition *	Credits: 3			
ANSC4120 - Principles of Mammalian Reproduction *	Credits: 3			
ANSC4630 - Topics and Issues in Animal Science * (COM3) USP Code [WC< >COM3]	Credits: 3			
MOLB4400 - Immunology	Credits: 4			

Agricultural Sciences

Required Courses:

Course Name	Credits:	Term Taken	Grade	Gen Ed
FDSC3060 - Principles of Meat Science and Muscle Biology *	Credits: 3			
General Microbiology Fulfill 1 of the following:				
MICR2021 - General Microbiology	Credits: 4			
OR				
MOLB2021 - General Microbiology	Credits: 4			
OR				
MICR2240 - Medical Microbiology	Credits: 4			
OR				
MOLB2240 - Medical Microbiology	Credits: 4			
MOLB3610 - Principles of Biochemistry	Credits: 4			
OR				
MOLB4100 - Clinical Biochemistry	Credits: 4			
OR				
MOLB4600 - Advanced Biochemistry	Credits: 3			
OR				
MOLB4610 - Biochemistry 2: Molecular Mechanisms	Credits: 3			

Other Math/Science Courses

Required Courses:

Course Name	Credits:	Term Taken	Grade	Gen Ed
LIFE1010 - General Biology (PN) * USP Code [SB< >PN]	Credits: 4			
LIFE2022 - Animal Biology *	Credits: 4			
LIFE3050 - Genetics	Credits: 4			
CHEM1020 - General Chemistry I (PN)	Credits: 4			

USP Code [SP< >PN]				
CHEM1030 - General Chemistry II USP Code [SP< >PN]	Credits: 4			
CHEM2300 - Introductory Organic Chemistry OR	Credits: 4			
CHEM2420 - Organic Chemistry I	Credits: 4			
CHEM2440 - Organic Chemistry II	Credits: 4			
PHYS1050 - Concepts of Physics USP Code [SP< >PN] OR	Credits: 4			
PHYS1110 - General Physics I USP Code [SP< >PN] AND	Credits: 4			
PHYS1120 - General Physics II USP Code [SP< >PN]	Credits: 4			
ZOO3600 - Principles of Animal Behavior OR • PSYC 3600	Credits: 3			
MATH1400 - College Algebra USP Code [QA< >Q] AND	Credits: 3			
MATH1405 - Trigonometry USP Code [QA< >Q] OR	Credits: 3			
MATH1450 - Algebra and Trigonometry USP Code [QA< >Q]	Credits: 5			
STAT2050 - Fundamentals of Statistics USP Code [QB< >Q] OR	Credits: 4			
STAT2070 - Introductory Statistics for the Social Sciences USP Code [QB< >Q]	Credits: 4			

Other Communication Courses

Course Name	Credits:	Term Taken	Grade	Gen Ed
ENGL1010 - College Composition and Rhetoric * (COM1) USP Code [WA< >COM1] • a COM2 course *	Credits: 3			

Other University Studies Courses

- First-Year Seminar* (FYS)
- 2 courses in Human Culture (H)
- U.S. and Wyoming Constitutions (V)

Required Credits: 128

*A grade of C or better must be earned in these courses for successful completion of degree.

**Required credits: 128 total credit hours, 42 credit hours or more at the 3000-level or above.

Notes: