

“W” Number: \_\_\_\_\_  
 Student Name: \_\_\_\_\_  
 Advisor Name: \_\_\_\_\_

Catalog: 2021-2022 University of Wyoming Catalog  
 Program: Secondary Agricultural Education with Concurrent  
 Major in Animal and Veterinary Science, B.S.

## Secondary Agricultural Education with Concurrent Major in Animal and Veterinary Science, B.S.

Graduates of this program earn a Bachelor’s Degree in Agricultural Education and a concurrent major in Animal and Veterinary Science. It prepares students to teach Agriculture in grades 6-12.

A concurrent major ensures that graduates are highly qualified teachers and will expand career possibilities.

This program requires a minimum of 127 total hours. All major courses must be passed with a grade of C or better. A minimum GPA of 2.500 in major content courses is required. A minimum of 42 credits must be upper-division.

An initial background check must be completed prior to starting any field or practicum experience. Student fees cover the cost of this initial background check so work with your College of Education advisor for details.

### Professional Education Requirements

Course Name	Credits:	Term Taken	Grade	Gen Ed	Recommended Term
<b>Foundations</b>					
EDST2450 - Foundations of Development and Learning	Credits: 3				
I TEC2360 - Teaching with Technology	Credits: 1-3				
(3 credits required)					
<i>Completion of EDST 2450 with a minimum grade of C or better is a prerequisite for the following courses:</i>					
EDEX2484 - Introduction to Special Education	Credits: 3				
EDST3480 - Diversity & the Politics of Schooling	Credits: 3				
<i>A minimum 2.75 UW cumulative GPA is required for registration in EDST 3100 and EDST 3101. A copy of your valid Wyoming Substitute Teaching Permit must be on file with the Teacher Preparation and Advising Office no later than the first day of class.</i>					
EDST3100 - Teacher as Practitioner	Credits: 3				
EDST3101 - Practicum 3	Credits: 2				
<b>Assessment</b>					
EDST3550 - Educational Assessment	Credits: 2				
<b>Methods (Offered Fall Semester Only)</b>					
EDSE3278 - Subject Matter Specific Methods I: Secondary Agriculture Education	Credits: 3-6				
(3 credits required)					
EDSE4278 - Subject Matter Specific Methods II: Secondary Agriculture Education	Credits: 3-6				
(4 credits required)					
<b>Residency (Offered Spring Semester Only)</b>					
EDSE4500 - Residency in Teaching	Credits: 1-16				
(12 credits required)					
EDSE4550 - Residency Applications and Synthesis	Credits: 3				

### Agricultural Education Core Requirements

Course Name	Credits:	Term Taken	Grade	Gen Ed	Recommended Term
EDAG3160 - Principles of Agricultural Education	Credits: 3				
EDAG4170 - Principles of Agricultural Mechanics and Technology	Credits: 3				
EDAG4180 - Techniques of Agricultural Mechanics and	Credits: 3				

Technology					
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### Concurrent Agriculture Major Core Requirements

Course Name	Credits:	Term Taken	Grade	Gen Ed	Recommended Term
ANSC1010 - Introduction to Animal Science	Credits: 4				
REWM2000 - Principles of Rangeland Management	Credits: 3				
SOIL2010 - Introduction to Soil Science	Credits: 4				
ANSC2020 - Feeds and Feeding	Credits: 4				
PLNT2025 - Horticultural Science	Credits: 3				
PLNT2026 - Horticultural Sciences Laboratory	Credits: 1				
Choose one: AGEC 1010 Principles of Macroeconomics Credits: 3 OR ECON 1010 Principles of Macroeconomics Credits: 3 <b>OR</b> AGEC 1020 Principles of Microeconomics Credits: 3 OR ECON 1020 Principles of Microeconomics Credits: 3					

### Major Related Science Courses

Course Name	Credits:	Term Taken	Grade	Gen Ed	Recommended Term
LIFE1010 - General Biology	Credits: 4				
Choose one:					
LIFE2022 - Animal Biology	Credits: 4				
OR					
LIFE2023 - Biology of Plants and Fungi	Credits: 4				
Choose one:					
CHEM1000 - Introductory Chemistry	Credits: 4				
OR					
CHEM1020 - General Chemistry I	Credits: 4				

### Animal and Veterinary Science Core Requirements

Course Name	Credits:	Term Taken	Grade	Gen Ed	Recommended Term
ANSC2010 - Domestic Animal Metabolism	Credits: 3				
ANSC3010 - Comparative Anatomy and Physiology of Domestic Animals	Credits: 4				
Choose one:					
ANSC4220 - Advanced Beef Production and Management	Credits: 3				
OR					
ANSC4230 - Advanced Sheep Production & Management	Credits: 3				
OR					
ANSC4250 - Advanced Equine Production and Management	Credits: 3				
Choose 5 of the 6 Courses:					
ANSC3100 - Principles of Animal Nutrition	Credits: 3				
ANSC4120 - Principles of Mammalian Reproduction	Credits: 3				
ANSC4540 - Principles of Animal Breeding	Credits: 3				
FDSC2040 - Principles of Meat Animal Evaluation	Credits: 3				
FDSC3060 - Principles of Meat Science and Muscle Biology	Credits: 3				
PATB4110 - Diseases of Food Animals	Credits: 3				
AECL1000 - Agroecology	Credits: 4				

### Endorsement in Secondary Biology Education option

Students can seek an endorsement in Secondary Biology Education. The required courses are:

Course Name	Credits:	Term Taken	Grade	Gen Ed	Recommended Term
Choose one:					
MICR2021 - General Microbiology	Credits: 4				
<b>OR</b>					
MOLB2021 - General Microbiology	Credits: 4				
Choose one:					
LIFE3050 - Genetics	Credits: 4				
<b>OR</b>					
LIFE3500 - Evolutionary Biology	Credits: 3				
LIFE3400 - General Ecology	Credits: 3				
EDSE4279 - Subject Matter Specific Methods II: Biological Science Methods for Agricultural Education Majors	Credits: 3				
<i>May be substituted with EDSE 3275 Subject Matter Specific Methods I: Secondary Science Education Credits: 3.</i>					
<b>Notes:</b>					