

# ANIMAL SCIENCE MAJOR, B.S.

## PROGRAM REQUIREMENTS

Students have the option of choosing an emphasis within their major or a minor. Animal Science majors may not choose a minor in Dairy Science.

Course	Title	Credits
<b>General Requirements</b>		
General Education ( <a href="http://catalog.uwplatt.edu/undergraduate/degree-requirements/bachelor-of-science-degree-core-curriculum/">http://catalog.uwplatt.edu/undergraduate/degree-requirements/bachelor-of-science-degree-core-curriculum/</a> )		40-53
<b>Specific General Education Requirements <sup>1</sup></b>		
CHEMISTRY 1050 or CHEMISTRY 1140	Survey of General Chemistry General Chemistry I	
BIOLOGY 1150 or BIOLOGY 1650 or BIOLOGY 1750	Concepts of Biology The Unity of Life The Diversity of Life	
MATH 1830	Elementary Statistics	
<b>School of Agriculture Core Courses</b>		
ANSCI 1000	Introduction to Animal Science	3
<b>One Additional Ag Foundation Course</b>		<b>3</b>
AGBUS 1500 or AGET 1750 or SCSCI 1240 or ENVHORT 1240 or RECLAM 1010	Introduction to Agribusiness Equipment, Structure and Power Systems Introduction to Plant Science Introduction to Plant Science Introduction to Reclamation & Restoration	
<b>Agriculture Professionalism</b>		
ANSCI 2990	Pre-Capstone Seminar in Animal Science	1
ANSCI 4990	Capstone Symposium in Animal Science	1
<b>Professional Engagement</b>		<b>3</b>
ANSCI 3750 or ANSCI 4200 or ANSCI 4960 or ANSCI 4980 or AGRIC 4600	Animal and Dairy Science Internship Individual Study in Animal Science Special Topics in Animal Science Undergraduate Research in Animal Science Faculty Led Short-Term International Experience in Agriculture	
<b>Required Animal Science Courses</b>		
ANSCI 2120	Topics in Animal Health & Welfare	3
ANSCI 2500	Feeds and Feeding	3
ANSCI 3000	Animal Nutrition	3
ANSCI 3030	Genetics of Livestock Improvement	3
ANSCI 3040	Principles of Meat Science	3
ANSCI 3100	Anatomy and Physiology of Domestic Animals	4
ANSCI 3110	Reproductive Physiology of Domestic Animals	4
ANSCI 3130	Animal and Food Microbiology	4
Select at least two of the following:		8
ANSCI 4030	Beef Management	
ANSCI 4040	Swine Management	
ANSCI 4070	Dairy Cattle Management	
ANSCI 4170	Small Ruminant and Equine Management	
ANSCI 4260	Companion Animal Care and Management <sup>2</sup>	
Select a minor or emphasis		24 - 29
Total Credits		110-128

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<sup>1</sup> Chemistry and Biology Courses must be completed with a C- or higher

<sup>2</sup> Pre-Vet or Vet Tech Emphasis only

## ANIMAL SCIENCE ELECTIVES

Course	Title	Credits
ANSCI 1200	Livestock Production Techniques	
ANSCI 2000	Meat and Animal Evaluation	
ANSCI 2040	Calf and Heifer Production Systems	
ANSCI 2050	Dairy Cattle Evaluation	
ANSCI 3010	Dairy Product Analysis and Processing	
ANSCI 3040	Principles of Meat Science	
ANSCI 3750	Animal and Dairy Science Internship	
ANSCI 3200	Dairy Records Analysis	
ANSCI 4030	Beef Management	
ANSCI 4040	Swine Management	
ANSCI 4080	Ruminant Nutrition	
ANSCI 4090	Nonruminant Nutrition	
ANSCI 4140	Meat Processing	
ANSCI 4150	Lactation Physiology and Management	
ANSCI 4170	Small Ruminant and Equine Management	
ANSCI 4260	Companion Animal Care and Management	
ANSCI 4300	Pioneer Dairy Challenge	
ANSCI 4960	Special Topics in Animal Science	
ANSCI 4980	Undergraduate Research in Animal Science	
AGRIC 4600	Faculty Led Short-Term International Experience in Agriculture	

## COMPREHENSIVE EMPHASIS

This emphasis is a 24-credit program of study approved by the advisor.

## PRE-VET EMPHASIS

Course	Title	Credits
<b>Required Courses</b>		
CHEMSTRY 1240	General Chemistry II	4
CHEMSTRY 3540	Organic Chemistry I	4
CHEMSTRY 4630	General Biochemistry	3
PHYSICS 1350	Introductory Physics I	5
PHYSICS 1450	Introductory Physics II	5
<b>Electives</b>		
Other courses approved by advisor		3
Total Credits		24

## VETERINARY TECHNICIAN EMPHASIS

Students who successfully complete the Veterinary Technician associate of applied science degree at Madison College, may transfer 36 credits (12 of which will be Animal Science course work at the 3000 level or above and 24 of which will be other Animal Science course work) of vet tech course work to UW-Platteville to complete the Vet Tech emphasis. The ONLY way a student may earn the vet tech emphasis is to successfully complete the Veterinary Technician associate of applied science degree at Madison College.