

ANIMAL SCIENCE (BS)

This major provides six areas of interest leading to the B.S. degree: Pre-professional (veterinary medicine or graduate training), Animal Biotechnology, Business/Service, Equine Science, Food Science, and Production Management. For detailed information, please refer to animalscience.uconn.edu (<http://animalscience.uconn.edu>).

Requirements

Animal Science majors must pass all courses from Group A, at least one course from Group B, at least one course from Group C, and one additional course from either Group B or C. No single class can satisfy more than one requirement.

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Course	Title	Credits
Group A		
ANSC 1001	Introduction to Animal Science	3
ANSC 1111	Principles of Animal Nutrition and Feeding	3
ANSC 3121	Principles of Animal Genetics	3
ANSC 3122	Reproductive Physiology	4
ANSC 3194	Career Paths in Animal Science	1
PATH 2100	Anatomy and Physiology of Animals	4
BIOL 1107 & BIOL 1108	Principles of Biology I and Principles of Biology II	8
Select one of the following:		4-7
CHEM 1122 or CHEM 1127Q	Chemical Principles and Applications or General Chemistry I	
CHEM 1124Q & CHEM 1125Q	Fundamentals of General Chemistry I and Fundamentals of General Chemistry II	
Select one of the following:		3-6
CHEM 2241	Organic Chemistry	
CHEM 2443 & CHEM 2444	Organic Chemistry and Organic Chemistry	
Select one of the following:		3-4
ANSC 4341	Food Microbiology and Safety	
MCB 2000	Introduction to Biochemistry	
MCB 2610	Fundamentals of Microbiology	
Group B		
Select at least one of the following:		3-4
ANSC 2251	Horse Science	
ANSC 2271	Principles of Poultry Science	
ANSC 3261	Dairy Cattle Management	
ANSC 3272	Laboratory Animal Science	
ANSC 3273	Livestock Management	
Group C		
Select at least one of the following:		3
ANSC 3311	Comparative Exercise Physiology	
ANSC 3313	Growth Biology and Metabolism in Domestic Livestock	
ANSC 3316	Endocrinology of Farm Animals	
ANSC 3323	Animal Embryology and Biotechnology	
ANSC 3343	Animal Food Products	

ANSC 3641	Animal Food Products: Dairy Technology	
ANSC 4311	Advanced Animal Nutrition	
ANSC 4341	Food Microbiology and Safety (unless used to fulfill Group A requirement)	
Additional Course		
Select one additional course from either Group B or C		3-4
Information Literacy		
To satisfy the general education requirement students must pass at least one of the following:		4
ENGL 1007	Seminar and Studio in Writing and Multimodal Composition	
ENGL 1010	Seminar in Academic Writing	
ENGL 1011	Seminar in Writing through Literature	
ENGL 2011		
Select one of the following:		1-3
ANSC 3194	Career Paths in Animal Science	
ANSC 3261	Dairy Cattle Management	
ANSC 3312W	Scientific Writing in Comparative Exercise Physiology	
ANSC 3314W	Scientific Writing in Growth Biology and Metabolism of Domestic Livestock	
ANSC 3317W	Scientific Writing in Endocrinology of Farm Animals	
ANSC 3324W	Scientific Writing in Embryo Biotechnology	
ANSC 3344W	Scientific Writing in Animal Food Products	
ANSC 3642W	Scientific Writing in Animal Food Products: Dairy Technology	
ANSC 4312W	Scientific Writing in Advanced Animal Nutrition	
ANSC 4342W	Scientific Writing in Food Microbiology and Safety	
ANSC 4662W	Dairy Herd Management	
Writing in the Major		
To satisfy the general education requirement students must pass at least one of the following:		1-3
ANSC 3312W	Scientific Writing in Comparative Exercise Physiology	
ANSC 3314W	Scientific Writing in Growth Biology and Metabolism of Domestic Livestock	
ANSC 3317W	Scientific Writing in Endocrinology of Farm Animals	
ANSC 3324W	Scientific Writing in Embryo Biotechnology	
ANSC 3344W	Scientific Writing in Animal Food Products	
ANSC 3642W	Scientific Writing in Animal Food Products: Dairy Technology	
ANSC 4312W	Scientific Writing in Advanced Animal Nutrition	
ANSC 4342W	Scientific Writing in Food Microbiology and Safety	
ANSC 4662W	Dairy Herd Management	

Total Credits 51-64

The Department of Animal Science offers minors in Animal Science, Dairy Management, Equine Sports Rehabilitation, Food Science, and

Therapeutic Horsemanship Education. These are described in the "Minors" section of this Catalog.

University General Education Requirements

Every student must meet a set of core requirements to earn a baccalaureate degree, in addition to those required by the student's major course of study and other requirements set by the student's school or college. For more information about these requirements, please see General Education Requirements (<https://catalog.uconn.edu/undergraduate/gen-ed-requirements/>).

College of Agriculture, Health and Natural Resources Degree Requirements

Students must meet a set of requirements established by the college in addition to the University's General Education requirements. For more information, see the College of Agriculture, Health and Natural Resources (<https://catalog.uconn.edu/undergraduate/agriculture-health-natural-resources/#requirements-text>) section of this catalog.