

Animal Science BS

Discovery Requirements

Category	Course	Semester	Credits	Grade
First-Year Writing	ENGL 401		4	
Quantitative Reasoning	BIOL 528		4	
Inquiry ¹	BIOL lab			
Biological Sciences ¹	BIOL 412		4	
Physical Sciences ¹	CHEM 403		4	
Env. Tech. and Society				
Fine & Performing Arts				
Historical Perspectives				
Humanities				
Social Sciences				
World Cultures				
Capstone (see options on next page)				

¹These Discovery Requirements are fulfilled by Animal Science Foundation courses.

Writing Intensive Requirements – 4 courses must be writing intensive (WI) with at least 1 in the major and 1 at the 600 level or above.

Course	Semester	Credits	Grade
ENGL 401		4	
ANSC 543 ² Tech Writing Animal Sci		2	
ANSC 602 Animal Rights & Soc. Issues		4	
Additional WI course			

²ENGL 419, 501, 502, or 503 may be substituted

Foundation Science Courses – All foundation courses must be completed with a grade of C- or better.

Course	Semester	Credits	Grade
BIOL 411 Intro Bio: Mol. & Cell		4	
BIOL 412 Intro Bio: Evo & Eco		4	
BIOL 528 Biostatistics		4	
BMCB 501 ³ Biological Chemistry		5	
BMS 503/504 Microbiology w/lab		5	
CHEM 403 Gen. Chem I		4	
CHEM 404 Gen. Chem II		4	

³Students interested in graduate or veterinary school should take Biochemistry (BMCB 658/659) instead

Additional courses required for application to graduate or veterinary school

Course	Semester	Credits	Grade
BMCB 658/659 Biochemistry w/lab		5	
CHEM 651/653 Organic Chem I		5	
CHEM 652/654 Organic Chem II		5	
MATH 424B Calculus for Life Sciences		4	
PHYS 401 Physics I		4	
PHYS 402 Physics II		4	

Requirements for all Animal Science majors – All require major courses including electives and the capstone must be completed with a grade of C- or better.

Course	Semester	Credits	Grade
AAS 439 Fundamentals of Animal Health	Spring	2	
ANSC 406 Careers in Animal Science	Spring	1	
ANSC 421 Intro to Animal Science	Fall	4	
ANSC 511 Anatomy & Physiology I	Fall	4	
ANSC 512 Anatomy & Physiology II	Spring	4	
ANSC 543 ⁴ Tech Writing Animal Science (WI)	Fall/Spring	2	
ANSC 602 Animal Rights & Societal Issues (WI)	Spring	4	
ANSC 609 Principles Animal Nutrition	Spring	4	
ANSC 612 Genetics of Domestic Animals	Fall	4	
ANSC 625 Animal Diseases	Fall	4	

⁴ENGL 419, 501, 502, or 503 may be substituted

Reproduction Course (Must choose one)

Course Name	Semester	Credits	Grade
ANSC 701 Physiology Reproduction	Fall	4	
ANSC 715 Physiology of Lactation	Fall	4	
ANSC 724 Repro Mgt/AI	Spring	4	
BMS 702 Endocrinology	Fall	4	

Electives - Pick 3 or more courses from the Elective list (attached).

At least 2 must be at the 500 level or above.

For classes less than 3 credits, 2 must be taken together to count as 1 elective.

At least 1 elective must be from the experiential category

Course	Semester	Credits	Grade

Capstone Experience: The capstone requirement may be satisfied through a course (e.g., ANSC 698, ANSC 728W, ANSC 750, ANSC 797 or ANSC 799), which typically includes a created work or product or some form of experiential learning.

Minor (if any): _____

Credit Hours: _____ 128