

ANIMAL SCIENCE: DAIRY MANAGEMENT BS

Checklist for Discovery, Animal Science Core and Major Requirements

Possible Courses to Meet Discovery Requirements

Category	Course	Semester	Credits	Grade
Writing	ENGL 401		4	
Quantitative Reasoning ¹	BIOL 528 ²		4	
Biological Sciences ¹	BIOL 412		4	
Physical Sciences ¹	CHEM 403		4	
Fine and Performing Arts				
Humanities				
Historical Perspectives				
World Cultures				
Social Science ¹	EREC 411		4	
Env. Tech. and Society Inquiry ¹	BIOL lab			
Capstone	ANSC 728W		4	

¹These Discovery requirements are fulfilled by Animal Science Foundation or required Dairy Option courses.

²Or BIOL 555 Experimental Design & Analysis Lab

Requirements for all Animal Science majors

(All required courses must be completed with a grade of C- or better)

Course	Semester	Credits	Grade
Careers in Animal Science	ANSC 406	1	
Animal Agriculture Today	ANSC 421 ⁵	4	
Intro to Dairy Herd Mgmt	AAS 425	4	
Fundamentals Animal Health	AAS 439	2	
Anatomy & Physiology	ANSC 511	4	
Anatomy & Physiology	ANSC 512	4	
Tech Writ Animal Science (WI)	ANSC 543 ⁶	2	
Principles Animal Nutrition	ANSC 609	4	
Genetics of Domestic Animals	ANSC 612	4	

⁵waived for AAS 425 Intro to Dairy Herd Mgmt

⁶ENGL 419, 501, 502 or 503 may be substituted.

Ethics course

Animal Rights Soc Issues (WI)	ANSC 602	4	
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Disease course

Dairy Cattle Disease Seminar	AAS 574	2	
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Reproduction courses (choose one)

Physiology of Lactation	ANSC 715	4	
Repro Mgmt/AI	ANSC 724	4	

Additional Courses Required for the Dairy Option:

Dairy Industry Travel Course	ANSC 650	1	
CREAM (2 semester course)	ANSC 698	8	
Ruminant Nutritional Physiology	ANSC 708	3	
Dairy Nutrition	ANSC 710	4	
Advanced Dairy Mgmt	ANSC 727	4	
Dairy Cattle Selection (Little Royal)	AAS 423	2	
Intro Dairy Herd Mgmt	AAS 425	4	
Intro Forage & Grassland Mgmt	AAS 432	3	
Env & Res Econ Perspectives	EREC 411	4	

Capstone Experience

Advanced Dairy Mgmt II (WI)	ANSC 728W	4	
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Minor (if any): _____

Animal Science Foundation Courses

(All Foundation courses must be completed with a grade of C- or better.)

Course	Semester	Credits	Grade
BIOL 411		4	
BIOL 412		4	
BIOL 528 ³		4	
BMCB 501 ⁴		5	
BMS 503		5	
CHEM 403		4	
CHEM 404		4	
		30	

³or BIOL 555 Experimental Design & Analysis Lab

⁴Students interested in graduate school should take 2 semesters of Organic Chemistry (CHEM 651/653 and CHEM 652/654) and 1 semester of Biochemistry (BMCB 658/659).

Requirements for students interested in graduate school:

Course	Instead of	Credits	Grade
BMCB 658/659L	⁴ BMCB 501	5	
CHEM 651/653		5	
CHEM 652/654		5	
MATH 424B		4	
PHYS 401		4	
PHYS 402		4	

Writing Intensive

4 courses must be writing intensive (WI). The WI course-in-major requirement is satisfied by ANSC 543.

Course	Semester	Credits	Grade
ENGL 401		4	
ANSC 543 (in the major)		2	
ANSC 602 (600 level or above)		4	
ANSC 728W (capstone)		4	