Animal Science, M.S.

Thesis Option

The 30-credit hour requirement is met through major core, major research, and major elective courses. A minimum of 18 credit hours in graduate level ANSC courses in Department of Animal Science and Veterinary Technology, and 3 hours of quantitative analysis statistics- based course is required toward ANSC Master of Science degree. Additionally, free elective courses may count toward the 3-credit hour requirement; ANSC 5399 - Research Topics course is optional and only 3 credit hours permitted towards degree plan.

Code	Title	Semester Credit Hours
Core Requirements		
ANSC 5390	Advanced Studies in Animal Sci [1]	3
Thesis Requirement		
ANSC 5306	Thesis	3
ANSC 5306	Thesis	3
Approved Electives		**18**
Select 18 hours from the following:		
ANSC 5307	Physiol of Mammalian Reprod	
ANSC 5333	Mammalian Endocrinology	
ANSC 5336	Envir Physiology of Animals	
ANSC 5337	Ruminant Nutrition and Physiol	
ANSC 5338	Monogastric Nutrition	
ANSC 5351	Advn Range Livestock Productn	
ANSC 5390	Advanced Studies in Animal Sci	
ANSC 5395	Advanced Probs in Animal Sci	
ANSC 5399	Research Topics [2]	
Free Electives		**3**
Select 3 hours of graduate-level coursework in BIOL, GEOG/GIS, ANSC, AGSC, RWSC, PLSS, ENVS, or RAMT.		
Total Semester Credit Hours		**30**

1 Students may substitute this quantitative analysis course with any 5000-level or 6000-level quantitative analysis course.

2 Only three hours of ANSC 5399 will be counted toward the degree total.

Research Project Option

The 36-credit hour requirement is met through major core, major research, and major elective courses. A minimum of 24 credit hours in graduate level ANSC courses in Department of Animal Science and Veterinary Technology, and 3 hours of quantitative analysis statistics-based course is required toward ANSC Master of Science degree. Additionally, free elective courses may count toward the 36-credit hour requirement.

Code	Title	Semester Credit Hours
Core Requirements		
ANSC 5390	Advanced Studies in Animal Sci [1]	3
Research Project Requirement		
ANSC 5305	Graduate Research Project	3
Approved Electives		**18**
Select 18 hours from the following:		
ANSC 5307	Physiol of Mammalian Reprod	
ANSC 5333	Mammalian Endocrinology	
ANSC 5336	Envir Physiology of Animals	

ANSC 5337	Ruminant Nutrition and Physiol	
ANSC 5338	Monogastric Nutrition	
ANSC 5351	Advn Range Livestock Productn	
ANSC 5390	Advanced Studies in Animal Sci	
ANSC 5395	Advanced Probs in Animal Sci	
Free Electives		**12**
Select 12 hours of graduate-level coursework in BIOL, GEOG/GIS, ANSC, AGSC, RWSC, PLSS, ENVS, or RAMT.		
Total Semester Credit Hours		**36**

[1] Students may substitute this quantitative analysis course with any 5000-level or 6000-level quantitative analysis course.

Course Only Option

The 36-credit hour requirement is met through major core, major research, and major elective courses. A minimum of 24 credit hours in graduate level ANSC courses in Department of Animal Science and Veterinary Technology is required toward ANSC Master of Science degree. Additionally, free elective courses may count toward the 36-credit hour requirement.

Code	Title	Semester Credit Hours
Core Requirements		
ANSC 5390	Advanced Studies in Animal Sci [1]	3
Approved Electives		**24**
Select 24 hours from the following:		
ANSC 5307	Physiol of Mammalian Reprod	
ANSC 5333	Mammalian Endocrinology	
ANSC 5336	Envir Physiology of Animals	
ANSC 5337	Ruminant Nutrition and Physiol	
ANSC 5338	Monogastric Nutrition	
ANSC 5351	Advn Range Livestock Productn	
ANSC 5390	Advanced Studies in Animal Sci	
ANSC 5395	Advanced Probs in Animal Sci	
Free Electives		**9**
Select 9 hours of graduate-level coursework in BIOL, GEOG/GIS, ANSC, AGSC, RWSC, PLSS, ENVS, or RAMT.		
Total Semester Credit Hours		**36**

[1] Students may substitute this quantitative analysis course with any 5000-level or 6000-level quantitative analysis course.