ANIMAL SCIENCE - MASTER OF SCIENCE

General Requirements

Graduate students must maintain at least a 3.0 grade point average. A minimum of 30 credit hours of graduate work if required, the following parameters must be met within those credits but can overlap.

1. At least 15 credits must be in courses numbered 500 or above
2. At least 15 credits must be in Animal Science courses
3. At least 15 credits (exclusive of ANSC 598) must be taken with other than a single professor

Prefix	Title	Credits
Required Courses		
ANSC 599	Master's Thesis	6
ANSC 515	Graduate Seminar	2
ANSC 512	Research Methods in Animal Science (s)	3-4
or A ST 512	Quantitative Analysis for Business Decisions	
Choose 18-19 credits from the following, ensuring the above parameters are met:		18-19
ANSC 480	Environmental Physiology of Domestic Animals	
ANSC 484	Ruminant Nutrition	
ANSC 501	Advanced Animal Nutrition (so)	
ANSC 507	Laboratory Techniques in Nutrition (f)	
ANSC 509	Endocrinology of Domestic Animals (f)	
ANSC 510	Range Nutrition Techniques (se)	
ANSC 512	Research Methods in Animal Science (s)	
ANSC 515	Graduate Seminar	
ANSC 520	Advanced Nutritional Management I: Feedlot (se)	
ANSC 521	Advanced Nutritional Management II: Cow Calf/Stocker (so)	
ANSC 522	Animal Nutrition (f)	
ANSC 560	Rumen Microbiology (so)	
ANSC 580	Environmental Physiology of Domestic Animals	
ANSC 602	Advanced Reproductive Physiology (fo)	
ANSC 604	Hypothalamo-Hypophyseal-Pineal Endocrinology (fe)	
ANSC 605	Gonadal and Uterine Endocrinology (fe)	
ANSC 606	Endocrinology of Pregnancy, Parturition, and Lactation (fe)	
ANSC 621	Metabolic Functions and Dysfunctions (fe)	
ANSC 625	Nutrient Metabolism I: Mineral, Vitamin, and Nitrogen Metabolism (fo)	
ANSC 626	Nutrient Metabolism II: Carbohydrates, Lipids, and Energetics (se)	
Total Credits		**30**

Graduate Assistants

1. All graduate assistants must enroll as full-time students taking at least 9 graded graduate credits (courses numbered 450 and above). No audits can be taken as part of the 9 minimum credits. Only 3 of the 9 credits may be taken as an S/U option.
2. A graduate assistant may not enroll for more than 15 credits each semester.
3. If a student needs to take deficiency courses as part of the 9 credits, then a memo from the advisor or department head should be submitted to the Graduate School. If approved, the student can register for 3 undergraduate credits and a minimum of 6 graded graduate credits during their first semester at New Mexico State University.
4. Enrollment during summer sessions is not required.

Additional Requirements

1. A maximum of six credits in S/U courses may be taken during a Master's program
2. A maximum of six credits (four in a single semester) in ANSC 598 (Special Research Programs) may be taken during a Master's program.
3. If a minor is declared, a minimum of eight credits in this discipline must be completed and approved by that department.
4. In certain instances, deficiency courses may be required.
5. Attendance at graduate seminars is urged.
6. Graduate students are encouraged to adapt their thesis data for submission as a scientific journal article, an Experiment Station Bulletin, or research report.

The Masters Committee

The Masters Committee is appointed by the student's advisor with the approval of the Department Head and consists of four members including three from the animal science area and one representative from the Graduate School.

The Masters Final Examination

The Masters Final Oral Examination is primarily concerned with the thesis research conducted by the student but it may also extend over the entire discipline. Candidates for a Masters Degree are expected to demonstrate a thorough understanding of their research topic including how it was conducted, the results that were found, and what the results mean. They should also demonstrate knowledge of the general discipline of Animal Science.