MS AGRICULTURE, SPECIALIZATION IN ANIMAL SCIENCE

Program Learning Objectives
1. Demonstrate expertise in their respective discipline.
2. Develop, test or select the appropriate technology in their respective discipline.
3. Demonstrate effective communication skills.
4. Formulate decisions utilizing professional ethics.
5. Value the diversity of people and ideas.
6. Investigate problems using critical thinking and derive appropriate solutions.

Required Courses
AG 581  Graduate Seminar  2
AG 599  Thesis  9
ESCI 501  Research Planning  4
STAT 511  Statistical Methods  4
STAT 513  Applied Experimental Design and Regression Models  4

Approved Electives
Select from the following:  22
AG 500  Individual Study
AGED 524  Instructional Processes in Agricultural Education
ASCI 581  Graduate Seminar in Animal Science
ASCI 403  Applied Biotechnology in Animal Science
ASCI 405  Domestic Livestock Endocrinology
ASCI 406  Applied Animal Embryology and Assisted Reproduction
ASCI 415  HACCP for Meat and Poultry Operations
ASCI 420  Animal Metabolism and Nutrition
ASCI 438  Systemic Animal Physiology
ASCI 440  Immunology and Diseases of Animals
or ASCI 540  Advanced Immunology and Diseases of Animals
ASCI 450  Computer Applications in Animal Science: Spreadsheet Analysis
ASCI 500  Individual Study in Animal Science
ASCI 583  Research Experience for Regenerative Medicine Students
ASCI 593  Regenerative Medicine Internship
BIO 501  Molecular & Cellular Biology
BIO 524  Developmental Biology Seminar
CHEM 428  Nutritional Biochemistry
NR 532  Applications in Biometrics and Econometrics

Any 400 and 500 level courses approved by the student’s graduate committee

Total units 45

1 At least 60% of all units required by the committee as reflected on the formal study plan must be at the 500 level.