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.