

# MS AGRICULTURE, SPECIALIZATION IN ANIMAL SCIENCE

Any 400 and 500 level courses approved by the student's graduate committee <sup>1</sup>

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**Total units** **45**

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

## 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 <sup>1</sup>

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 419	Animal Metabolism and Nutrition	
ASCI 438	Systemic Animal Physiology	
ASCI 440	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	