AGRONOMY

Learning outcomes:

(1) Students completing the M.S. degree in Agronomy will have advanced knowledge and skills to analyze and solve major problems confronting growers of agronomic and horticultural crops; (2) students will analyze research results and make policy recommendations that will conserve natural resources.

(3) Students will apply integrated practices to maximize productivity and protect the environment; and

(4) Students will be able to analyze data, interpret results and prepare research reports.

COURSE REQUIREMENTS (THESIS OPTION*)

Core Courses (21 hrs.)		
AG 610	Thesis I	3 hrs.
AG 611	Thesis II	2 hrs.
AG 612	Thesis III	1 hr.
BT 544	Advanced Plant Breeding	3 hrs.
PS 541	Agricultural Plant Pathology	3 hrs.
PS 559	Advanced Soil Fertility	3 hrs.
PS 590	Advanced Research Techniques	3 hrs.
PS 595	Experimental Designs	3 hrs.
Approved Electives (12 hrs.)		
AN 500	Admin of Ag Education	3 hrs.
AN 510	Ag Education Media	3 hrs.
BT 570A	Biotechnology Techniques	3 hrs.
BT 570B	Biotechnology Techniques	3 hrs.
PS 537	Soil conservation and land use	3 hrs.
PS 535	Advanced Soil Classification	3 hrs.
PS 539	Soil Microbiology	3 hrs.
PS 548	Advanced Soil Management	3 hrs.
PS 550	Bioenergy and bioproduct Development	3 hrs.
PS 551	Plant Metabolism and biochemistry.	3 hrs.
PS 580	Soil Chemistry	3 hrs.
PS 597	Agricultural Environmental Law	3 hrs.
PS 601	Special Problems in Vegetables and small Fruits	3 hrs.
PS 602	Special Problems in Forage Production	3 hrs.
PS 603	Integrated Pest Management (IPM)	3 hrs.
	TOTAL	**33 hrs.**

*Students enrolled in this degree plan are required to complete a thesis under the supervision of a major advisor and master's committee; defend and submit bound copies of thesis to the office of graduate studies to be eligible for graduation.