DEPARTMENT OF AGRICULTURE

VICTOR NJITI, PH.D.
DEPARTMENT CHAIR

Morris-Boykin Agricultural Science Building.
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Agriculture is the leading industry in Mississippi, with major production in poultry, forestry, cereal crops, horticultural crops, vegetables, cattle, and hogs. In response to this demand, Alcorn State University's Department of Agriculture is committed to preparing students for successful careers in Agricultural Sciences. The department offers programs in eight specialized areas: Agribusiness Management, Agricultural Economics, Agricultural Biotechnology, Animal and Pre-Veterinary Science, General Agricultural Education, Natural Resources and Environmental Science, Plant, Soil, and Horticultural Sciences, and Poultry Science.

Each program is designed to provide a unique blend of coursework, including lectures, lab courses, seminars, and internships. The Alcorn Agricultural Experiment Station, which spans 1,456 acres, cultivates various food, feed, and fuel crops using different agronomic practices. It features modern facilities, greenhouses, and animal farms that enhance practical learning and complement classroom education.

The Morris Boykin Agricultural Building, Biotechnology Building, and Ecology Building house modern and spacious classrooms, as well as well-equipped teaching labs. The department currently has 25 full-time faculty members, covering a wide range of expertise. Among them, 10 faculty members have established research programs in their respective fields. The agriculture faculty consistently secures competitive funding and actively trains and mentors undergraduate student researchers, in addition to advising master's students.

Our programs are designed to offer the latest curriculum and best practices to meet the present and future needs of the agriculture industry.

Department's objectives:

1. To effectively prepare students for careers in agriculture, advanced education, and lifelong learning.
2. To provide opportunities for students to connect with the agricultural community through interaction with private industries, government agencies, and other industry professionals.
3. To prepare students for graduate and professional schools

Bachelor of Science in Agricultural Sciences: Animal and Pre-veterinary Science Emphasis (120 Credit Hours)

Program outcomes:

1. Assess animal production and management systems by combining knowledge of animal genetics, nutrition, and reproduction.
2. Apply scientific principles to areas such as animal breeding, reproduction, feeding, growth and development, health management, housing, handling, and product safety.
3. Communicate effectively about animal science to diverse audiences.

Freshman Year (29)								
First Semester	**Class**		**Hrs.**		**Second Semester**	**Class**		**Hrs.**
AE 111	Fund. & Concepts in Ag.		3		BI 125	General Biology 1		3
CH 121	General Chemistry		3		BI 125L	General Biology 1 Lab		1
CH 121L	General Chemistry Lab		1		CH 122	General Chemistry		3
EN 111	Composition I		3		CH 122L	General Chemistry Lab		1
HI 111	World Civilization I		3		EN 112	Composition II		3
UL 101	University Life		1		MA 121	College Algebra		3
					ND 101	Health and Wellness		1
	TOTAL		**14**			**TOTAL**		**15**
Sophomore Year (35)								
AE 213	Prin. of Ag. Economics		3		AS 216	Swine Production		3
AS 213	Animal Production		3		AS 233	Meats & Meat products		3
AS 213L	Animal Production Lab		1		PY 215	General Physics (Non-calculus)		3
PY 216	General Physics (Non-calculus)		3		PY 215L	General Physics lab (non-		1
EN 213	Studies in Literature		3		HU 201	Humanities		3
SS 111	Social Institutions		3		SA 223	Oral Communication		3
					AR 214 or	Art appreciation or		3
	TOTAL		**16**			**TOTAL**		**19**
Junior Year (26)								
AS 336	Parasitology of Farm Animals		3		AS 323	Livestock Dis. Sanitation		3
BI 325	Microbiology		3		AS 343	Physio. & Anat of Farm		3
BI 325L	Microbiology Lab		1		AS 343L	Physio & Anat of Farm Animals Lab		1
CH 221	Organic Chemistry		3		AS 363	Animal Management		3
CH 221L	Organic chemistry Lab		1		CH 331	Biochemistry		3
AG 486	Agriculture Seminar		1		CH 331L	Biochemistry Lab		1
	TOTAL		**12**			**TOTAL**		**14**
Senior Year (30)								
AE 463	Agri. Statistics		3		AG 439	Internship		3
AS 485	Physiology of Reproduction		3		AS 413	Animal Nutrition		3
AS 485L	Physiology of Reproduction		1		AS 487	Livestock Breeding		3
BI 445	Genetics		3		AS 487L	Livestock Breeding Lab		1
BI 445L	Genetics Lab		1		AS 483	Feeds & feeding		3
AS 333 or AS 463	Poultry Management or Hatchery Management		3		PS 490	Research Methods		3
	TOTAL		**14**			**TOTAL**		**16**

*** A grade of C or higher is required to graduate in agriculture courses and senior and junior-level non-agriculture courses.**