

# 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: Natural Resources and Environmental Science Emphasis (120 Credit Hours)

### Program outcomes:

1. Demonstrate a strong understanding of core ecological and physical science concepts and methods as they relate to solving environmental issues.
2. Communicate scientific and technical knowledge effectively to diverse audiences.
3. Show proficiency in quantitative skills and information management relevant to specific fields of study.

Freshman Year (33)							
First Semester	Class		Hrs.		Second Semester	Class	Hrs.
AE 111	Fund. & Concepts of Ag		3		CH 122	General Chemistry	3
BI 111	Intro. to Biology I		3		CH 122L	General Chemistry Lab	1
CH 121	General Chemistry I		3		EN 112	Composition II	3
CH 121L	General Chemistry I Lab		1		HI 111	World Civilization I	3
EN 111	Composition I		3		PS 122	Crop Production	3
MA 121	College Algebra		3		PS 122L	Crop Production Lab	1
UL 101	University Life		1		PE 201 or MS 201	Physical Education or Leadership and Decision	1
PE 101 or MS 101	Physical Education I or Intro. to the Army		1				
	<b>TOTAL</b>		<b>18</b>			<b>TOTAL</b>	<b>15</b>
Sophomore Year (31)							
AE 213	Prin. of Ag. Econ.		3		CH 221	Organic Chemistry I	3
CS 202	Programming in C++ I		3		CH 221L	Organic Chemistry Lab	1
EN 213	Studies in Literature		3		PS 270	Environmental Ecology	3
GT 102	American Government		3		PS 320	Biomass & Bioenergy	3
SA 223	Oral Communication		3		PS 360	Water Quality	3
					AR 214 or MU 213	Art Appreciation or Music Appreciation	3
	<b>TOTAL</b>		<b>15</b>			<b>TOTAL</b>	<b>16</b>
Junior Year (31)							
PS 390	Biosafety Risk Management Agriculture		3		PS 350	Forest taxonomy	3
PS 242	Wood Products		3		PS 458	GIS App Natural Resources	3
PS 315	Soils		3		PS 480	Soil Chemistry	3
PS 315L	Soils Lab		1		PS 497	Ag. Environmental Law	3
PS 351	Forestry		3		PS 460 or PS 353	Watershed hydrology or	3
PS 441	General Plant Pathology		3				
	<b>TOTAL</b>		<b>16</b>			<b>TOTAL</b>	<b>15</b>
Senior Year (25)							
AE 467	Land Economics		3		AG 439	Internship	3
AG 486	Agriculture Seminar		1		PS 448	Soil Management	3
PS 437	Soil Conservation and Land		3		PS 457	Forest Management	3
PS 439	Soil Microbiology		3		PS 483	Environmental Science	3
PS 495	Experimental Design		3				
	<b>TOTAL</b>		<b>13</b>			<b>TOTAL</b>	<b>12</b>

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