



Livestock Management Concentration (Agriculture B.S. Degree)

The Livestock Management curriculum provides career training to prepare you for a rewarding and successful career in Agriculture. A wide array of jobs are available in government agencies, vo-ag instruction, private and commercial business, agriculture sales and finance. Our program stresses the latest technical information in the classroom with hands-on application through laboratories. hands-on-training is reinforced through practicums at the university farms and through cooperative education. We are small enough to care for you as an individual but large enough to provide ever career opportunity.

Career Opportunities

The practical instruction and hands-on application enables you to be an immediate asset to employers. You will join the ranks of successful EKU graduates in areas such as retail store operation, agriculture sales, farm management, agriculture finance and banking, vocational agriculture instruction, extension and 4-H agents, government agency employees, and pursuing advanced degrees. The United States Department of Agriculture predicts a shortfall of graduates in these areas. Potential job opportunities with a B.S. in Agriculture, Livestock Management Concentration range from Agribusiness Service Manager to Pharmaceutical Sales.

- **Dairy Herdsman** - Management and planning of dairy enterprise
- **Laboratory Technician** - Assisting in the designing and implementing of research experiments/commercial laboratory technician
- **Extension/40H Agent** - Develop local agriculture and youth programs
- **Pharmaceutical Sales** - Represent feed companies to local agriculture stores and farmers
- **Feed Sales Representative** - Represent feed companies to local agriculture stores and farmers
- **Genetics/AI** - Work with farmers and AI organizations in promotion of purebred dairy industry
- **Dairy Equipment Sales** - Work with farmers in sales and maintenance of milking equipment
- **Agribusiness Service Manager** - Manages retail business involving sales of agricultural supplies, has responsibilities for all aspects of the business management
- **Agribusiness Service Sales** - Sells to retail customers, keeps records of inventory, purchases, sells and demonstrates merchandise to potential customers
- **Bank and/or Loan Officer** - Consults with loan applicants concerning their needs and ability to meet financial repayment schedules, evaluates and makes decisions about agricultural loan applications
- **Farm Manager** - Responsible for all decision-making related to the crop, animal, equipment, and labor needs of the farm, keeps records and evaluates farm financial progress

Philosophy

The Department of Agriculture blends scientific theory with practical application and hands-on experiences. Current concepts and theories are presented in the classroom and then applied in the laboratory with the faculty member as the laboratory supervisor using a hands-on approach. Practicum classes at the university enterprises and through cooperative education are further utilized to reinforce the practical application of scientific theory. Professors are experienced, enthusiastic, and passionate about providing students the skills necessary to succeed with the ever-changing technology and environment.

Department Facilities & Student Organizations

The Agriculture Program at EKU is supported by excellent classroom laboratories and facilities at the A.B. Carter Building, including a modern computer laboratory, ag mechanics shop, animal and plant science biotechnology laboratories equipped for research and cell cloning are also available. There are also garden displays, turf plots, and 5 greenhouses. Students will have the unique opportunity to work directly with and observe practical applications of agricultural technology at EKU's 1,100-acre Meadowbrook Farm located only eight miles from campus with an on-site classroom. The farm gives students an opportunity to experience all aspects of modern production in beef, dairy, sheep, swine, and crop enterprises. Students have the opportunity to develop their extracurricular leadership skills through the Agriculture/Collegiate Farm Bureau Club, Block & Bridle Club, Delta Tau Alpha Agriculture Honor Society, Horticulture Club, Pre-Vet Club, and Sigma Alpha Sorority.

For More Information

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Suggested Curriculum Guide for Livestock Management Concentration

Freshman (1st semester) 15 hrs

§GSD 101	Foundations of Learning	3
AGR 125	Principles of Animal Science	3
AGR 126	Animal Science Laboratory	1
AGR 115	Operation of Agricultural Equipment	2
AGR 170	Appl of Unmanned Ariel Systems in Ag	3
Gen. Ed. 1A (ENG 101)		3

Freshman (2nd semester) 16 hrs

AGR 225	Evaluation and Selection of Livestock -OR-	
AGR 330	Animal Products (spring only)	3
BIO 111	Cell and Molecular Biology -OR-	
BIO 112	Ecology and Evolution	4
INF 104	Computer Lit and Software Appl -OR-	
TEC 161	Computer Applications in Technology	3
Gen. Ed. 1B (ENG 102)		3
Gen. Ed. 2 (Math)		3

Sophomore (1st semester) 15 hrs

AGR 130/131	Plant Science with Lab -OR-	
OHO 131/132	Principles of Horticulture with Lab	4
AGR 321	Feeds and Feeding (fall only)	4
CHE 101	Introduction to Chemistry	3
CHE 101L	Introduction to Chemistry Lab	1
Gen. Ed. 1C (Oral Communications)		3

Sophomore (2nd semester) 16-17 hrs

AGR 215	Principles of Soils	3
AGR 216	Principles of Soils Laboratory	1
	Animal Science Elective	3-4
ECO 120	Economic Reasoning and Issues	3
Gen. Ed. 3A (Arts)		3
Gen. Ed. 3B (Humanities)		3

Junior (1st semester) 15-16 hrs

AGR 304	Pest Management (fall only)	4
AGR 305	Professional Skills Seminar	1
AGR 308	Agricultural Economics	3
AGR 340	Conservation of Agricultural Resources	3
Animal Science Elective		3-4
AGR/OHO Experiential Learning		1

Junior (2nd semester) 15-16 hrs

AGR 213	Principles of Ag Mechanics and Energy Systems	3
AGR 310	Principles of Agribusiness Management	3
	Animal Production Elective	3-4
AGR/OHO Upper Division Elective		3
Gen. Ed. 6 (Diversity)		3

Senior (1st semester) 16-17 hrs

Animal Science Elective		3-4
Animal Production Elective		4
Advisor Approved Elective		2
AGR/OHO Experiential Learning		1
Gen. Ed. 5A (History)		3
Gen. Ed. 6 (Diversity)		3

Senior (2nd semester) 14 hrs

AGR 319	Renewable and Sustainable Energy Systems (spring only)	3
AGR 411	Senior Seminar	1
AGR/OHO Capstone		3
AGR/OHO Upper Division Elective		3
AGR/OHO Upper Division Elective		3
AGR/OHO Experiential Learning		1

§ Course must be taken in the semester indicated

UNIVERSITY GRADUATION REQUIREMENTS.....39 hours

- General Education.....36 hours
- Foundations in Learning (GSD 101; waived for transfers with 30+ hrs).....3 hours
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)

MAJOR REQUIREMENTS

Core Courses.....49 hours

AGR 130 and 131(1) or OHO 131 and 132(1); AGR 115(2), AGR 170, AGR 213, AGR 215, AGR 216(1), AGR 304(4), AGR 305(1), AGR 308, AGR 310, AGR 319, AGR 340, AGR 411(1); Plus three hours from (AGR experiential learning): AGR/OHO 301(1-6), AGR 302, AGR/OHO 349(1-6); Plus one course from (AGR/OHO capstone): AGR/OHO 499, AGR 509, OHO 498; Plus nine hours selected from upper division AGR and/or OHO courses.

Livestock Management Concentration Requirements.....29-33 hours

AGR 125, AGR 126(1); AGR 225 or AGR 330; AGR 321; Plus two course from (animal production elective): AGR 326(4), AGR 327(4), AGR 328(4), AGR 329(4), AGR 332, AGR 380(4); Plus three courses from (animal science elective): AGR 312(4), AGR 372(2-6), AGR 373, AGR 374, AGR 375(4), AGR 376(4), AGR 377, AGR 421; Plus two hours of advisor approved electives in AGR and/or OHO courses.

Supporting Course Requirements.....5 hours

BIO 111(4) or BIO 112(4); CHE 101, CHE 101L(1); ECO 120; INF 104 or TEC 161.

Total Curriculum Requirements

122-126 hours