



**Department of Agriculture  
College of Business & Technology**

# Agriculture

**Options:** Agribusiness, Agriculture Systems, Agronomy & Natural Resources, Dairy Herd, Livestock Production, Soil and Vo-Ag Preparation

## Agriculture at EKU

The 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. Our small class size promotes interaction between students and faculty. We are small enough to care for you as an individual but large enough to provide every 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.

## 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 facilities and through cooperative education are further utilized to reinforce the practical application of scientific theories. Professors are experienced, enthusiastic, and passionate about providing students the skills necessary to succeed in the ever-changing 21st Century environment.

## Department Facilities & Student Organizations

The Agriculture Program at EKU is supported by excellent classroom laboratories and facilities at the A.B. Carter Building. A modern computer laboratory, ag mechanics shop, and a plant science-biotechnology laboratory equipped for research and cell cloning are also available. We operate a 720-acre commercial farm that is modern and includes an agriculture mechanics shop and an onsite classroom. Agriculture enterprises include a 80 sow-farrow to finish swine operation, a 40-ewe flock of sheet, a 140-beef cow herd, a 400-500 beef backgrounding operation, a 50-cow registered Holstein dairy herd, a crop enterprises to produce the forage and grain for the livestock. Students have the opportunity to develop their extracurricular leadership skills through the Agriculture Club, Pre-Vet Club, Colonel Agronomy Club, and DTA, an agricultural honorary society.

### Suggested First Semester/First Year

BTO 100 Academic Orientation	1
ENG 101 English Composition	3
AGR 125 Animal Science	3
AGR 126 Animal Science Lab	1
AGR 130 Agronomy & Lab	4
MAT 105 Mathematics	3
<b>Total Hours:</b>	<b>15</b>

### For More Information

Office of Admissions  
SSB CPO 54  
Eastern Kentucky University  
521 Lancaster Avenue  
Richmond, KY 40475-3102  
800-465-9191  
859-622-2106  
[www.eku.edu](http://www.eku.edu)

Department of Agriculture  
A.B. Carter Building  
Eastern Kentucky University  
521 Lancaster Avenue  
Richmond, KY 40475-3102  
859-622-2228  
[www.agriculture.eku.edu](http://www.agriculture.eku.edu)



## University requirements for: **Agriculture (B.S.)**

### **University Requirements (1 hour)**

BTO 100 (Academic Orientation).

### **General Education Requirements (39 hours)**

Courses selected from Communication, Arts and Humanities, Natural Sciences, Social and Behavioral Sciences, Wellness, and Breadth and Depth of Knowledge.

### **Supporting Course Requirements (17 hours)**

Introduction to Financial Accounting, Principles of Biology, Chemistry with Lab, Principles of Economics I, and Introduction to Computer Information Systems or Professional Communication or Computer Literacy with Software Applications.

### **Major Requirements (59-63 hours)**

Principles of Animal Science with Lab, Principles of Agronomy with Lab, Agricultural Measurements, Principles of Agricultural Mechanics, Principles of Soils, Pest Management, Professional Skills Seminar, Introduction to Agribusiness, Principles of Agribusiness Management or Agricultural Marketing, Senior Seminar and four hours from a listing of approved Agricultural and/or Horticultural upper-division electives, plus one of the following options:

**Agribusiness Management Option:** Technical Soils Lab, Feeds and Feeding, Agriculture Structures, Agriculture Business Records and Analysis, and Agricultural Financing.

**Agricultural Systems Management Option:** Agricultural Machinery and Safety, Soil/Water Conservation Technology, Hydraulic Systems, Agriculture Structures, and Diesel Power Systems.

**Agronomy & Natural Resources Option:** Advanced Crops Forage Crops or Sustainable Agroecosystems, Technical Soils Lab, Feeds and Feeding, Conservation of Agricultural Resources, and Soil Fertility.

**Dairy Herd Management Option:** Evaluation and Selection of Livestock, Feeds and Feeding, Reproduction and Artificial Insemination of Domestic Animals, and Technical Management of Dairy Cattle.

**Livestock Production Option:** Evaluation and Selection of Livestock, Feeds and Feeding, Beef Production, Swine Production, and Agriculture Business Records and Analysis.

**Soils Option:** Advanced Crops Forage Crops or Sustainable Agroecosystems, Technical Soils Lab, Soil Classification and Morphology, Soil/Water Conservation Technology, Conservation of Agricultural Resources, and Soil Fertility.

**Vo-Ag Preparation Option:** 45 hours of Agriculture coursework, student teaching, and field experience.

### **Free Electives (11-15 hours)**

### **Total Curriculum Requirements (128 hours)**

## **EASTERN KENTUCKY UNIVERSITY**

If you are serious about learning, Eastern Kentucky University is your kind of place. We're committed to helping you realize your potential and achieve your goals. And we'll work hard to provide you with a quality, life-changing learning experience.

As a student at EKU, you'll be taught, challenged and guided by professors who put teaching first. And because we maintain high standards set by national and regional accrediting agencies, we'll have high expectations for you as a student. You'll work hard, and we'll help you succeed.

Most of your classes at EKU will be small and will be taught by professors, not graduate students. You'll study in modern classrooms, labs, libraries and other facilities using state-of-the-art technology and equipment. And you'll discover opportunities to enhance classroom instruction with hands-on experience through internships or the cooperative education program.

If you've decided on a major field of study, you'll work closely with an experienced academic adviser who will help you plan your individualized program of study. If you're unsure about an academic major, we'll help assess your skills, values and interests and explore academic programs and career options.

### **EKU Quick Facts:**

- A comprehensive, public university serving more than 16,000 students.
- Undergraduate and graduate excellence through 150 associate, baccalaureate, master's, specialist and joint doctoral programs.
- Quality and diversity in faculty and staff.
- Student/professor ratio of 17:1.
- 600-acre main campus in Richmond, educational centers in Corbin, Danville and Manchester, and academic offerings at other sites throughout the Commonwealth.

*Where Students and Learning Come First!*

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