



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

Agriculture

Options: Agribusiness, Agriculture Systems, Agronomy & Natural Resources, Dairy Herd, Livestock Production, Soils, Vo-Ag Preparation, Business Minor

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 sheep, a 140-beef cow herd, a 400-500 beef backgrounding operation, a 50-cow registered Holstein dairy herd, a crop enterprise 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
Total Hours:	15

For More Information

Office of Admissions
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Eastern Kentucky University
521 Lancaster Avenue
Richmond, KY 40475-3102
800-465-9191
859-622-2106
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



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

University Requirements (1 hour)

BTO 100 (Academic Orientation).

General Education Requirements (36 hours)

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

College Requirement: Professional Skills Seminar

BTS 400 (Seniors)

Supporting Course Requirements (17 hours)

Intro 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, Agricultural Economics, Principles of Agribusiness Management or Agricultural Marketing, Senior Seminar and 4 hours of approved Agricultural and/or Horticultural upper-division electives, plus one of the following options:

Agribusiness Management Option: Technical Soils Lab, Feeds & Feeding, Ag Structures, Ag Business Records & Analysis, and Ag Financing.

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

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

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

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

Soils Option: Advanced Crops Forage Crops or Sustainable Agroecosystems, Technical Soils Lab, Soil Classification & 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.

Business Minor Option: 15 hours of Business coursework required for the Minor in Business.

Free Electives (11-15 hours)

Total Curriculum Requirements (128 hours)

EASTERN KENTUCKY UNIVERSITY

As you consider where you'll pursue your studies, Eastern Kentucky University encourages you to ask yourself, "What do I want to do with my life?" and "Who can help me reach that destination?"

Before we tell you about ECU, let's focus on your needs. What are you looking for in a college or university?

- Renowned, accessible professors; low student/faculty ratio
- State-of-the-art facilities
- Extensive curriculum
- Wide network of campus organizations
- Affordable cost
- Inviting campus

Achieving your goals depends on the quality of the faculty and curriculum at the school you choose to attend. Every college and university touts facilities, but few can match the accolades of our faculty. At ECU you'll reach beyond the borders of classroom discussion to hands-on experience and networking opportunities with experts in the field.

ECU graduates are world leaders in areas as diverse as international business and homeland security; local, state and national government; as well as drama and law. Campus facilities, such as the Studio for Academic Creativity, which is designed to enhance research, writing, and presentation skills, and our new state-of-the-art science building, ensure our students of exposure to technologies vital to real world success.

We hope you'll see that from our view there no limitations, just possibilities.

- A comprehensive, public university serving more than 16,000 students.
- Undergraduate and graduate excellence through 168 associate, baccalaureate, master's, specialist and cooperative doctoral programs.
- Quality and diversity in faculty and staff.
- Student/professor ratio of 17:1.
- 66-acre main campus in Richmond, regional campuses in Corbin, Danville, Lancaster and Manchester, and higher education centers throughout the Commonwealth.

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