



Department of Agriculture  
*School of Applied Sciences and Technology*  
College of Business & Technology (2017-18)

## **A.A.S. in Agriculture**

Floriculture/Greenhouse, Landscape, Turfgrass Concentrations

### **Associate of Applied Science at EKU**

With concentrations in Agricultural Systems, Agribusiness, Livestock, Floriculture/Greenhouse, Landscape Horticulture, and Turfgrass, the curriculum provides career training to prepare you for a rewarding and successful career in Agriculture. And, you may count associate degree credits towards a bachelor's degree in the same area with no loss of credit.

A wide array of jobs are available in government agencies, 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 graduates to be an immediate asset to employers. As a graduate, you will join the ranks of successful EKU graduates in areas such as greenhouse and floriculture, horticultural sales, dairy management, agriculture systems, livestock production, landscaping and turf management, feed sales and manufacturing, assistant retail management, machinery sales and service, livestock management, field technicians, golf course management, and floral services. Another option is to work toward a four-year BS Degree after graduation - with no loss of credit. Many employment agencies are predicting a significant increase in employment opportunities for two-year graduates in the agriculture sciences.

### **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 an 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.

### **For More Information**

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Find us on Facebook and Twitter @EKUAgriculture



**Typical sequence of courses required for an Associate of Applied Science Degree.**

Suggested elective courses for an associate of applied science degree: **AGR 308** Agricultural Economics, **AGR 350** Agricultural Marketing, **AGR 362** Hydraulics, **AGR 383** Diesel Mechanics, **AGR 409** Agriculture Business Records, **OHO 349** Cooperative Education, **OHO 354** Irrigation Systems, **OHO 367** Herbaceous Ornamentals, **OHO 373** Fruit Production, **OHO 374** Vegetable Production, **OHO 392** Advanced Landscape.

**TURFGRASS MANAGEMENT**

**First Semester (14 hrs)**

**BTO 100** Orientation (1)  
**OHO 131** Horticulture (3)  
**OHO 132** Horticulture Lab (1)  
**ENG 101** English Comp I (3)  
**Ag/Hort** Elective (3)  
**MAT 105** Math (3)

**Second Semester (16 hrs)**

**AGR 210** Ag Math (2)  
**ENG 102** English Comp II (3)  
**ECO 120** Economics (3)  
**Directed Work/Co-op** (2)  
**CHE 101+Lab/BIO 111/112**  
 Chemistry/Biology (4)  
**AGR 362** Hydraulics (2)

**Third Semester (16 hrs)**

**OHO 351** Turf Mgt. (4)  
**AGR 308** Agribusiness (3)  
**Directed Work/Co-op** (2)  
**OHO 354** Irrigation & Equip (3)  
**E-3** Arts/Humanities (3)  
**AGR 305** Seminar (1)

**Fourth Semester (16 hrs)**

**AGR 213** Ag Mechanics (3)  
**OHO 370** Landscape (3)  
**OHO 304** Pest Mgt. (4)  
**Directed Work/Co-op** (2)  
**AGR 215/216** Soils (4)

**Career Opportunities in Turfgrass Management:**

- Assistant Golf Course Superintendent - Management of tees, greens, and fairways (\$28,000)
- Golf Course Superintendent/Athletic Field Manager - Supervisory position in golf/athletic industries (\$55,000 without certification)
- Equipment Sales - Market commercial turf equipment (\$35,000 + commission)
- Lawn Care Supervisor - Manager of home/commercial lawns, application of fertilizer/pesticides to turf areas (\$30,000)

**LANDSCAPE HORTICULTURE**

**First Semester (14 hrs)**

**BTO 100** Orientation (1)  
**OHO 131** Horticulture (3)  
**OHO 132** Horticulture Lab (1)  
**ENG 101** English Comp I (3)  
**Ag/Hort** Elective (3)  
**MAT 105** Math (3)

**Second Semester (15 hrs)**

**AGR 210** Ag Math (2)  
**AGR 213** Ag Mechanics (3)  
**ENG 102** English Comp II (3)  
**ECO 120** Economics (3)  
**CHE 101+Lab/BIO 111/112**  
 Chemistry/Biology (4)

**Third Semester (17 hrs)**

**OHO 365** Decid. Plants (4)  
**OHO 372 or 370** Retail  
 /Landscape (3)  
**AGR 308** Agribusiness (3)  
**Directed Work/Co-op** (3)  
**AGR 215/216** Soils (4)

**Fourth Semester (15 hrs)**

**OHO 304** Pest Mgt. (4)  
**AGR 305** Jr. Seminar (1)  
**Directed Work/Co-op** (3)  
**OHO 391** Landscape Des (4)  
**E-3** Arts/Humanities (3)

**Career Opportunities in Landscape Horticulture Management:**

- Landscape Designer - Design sales in single family dwelling and small commercial landscapes (\$21,000 + commission)
- Assistant Garden Center Manager - Assist in managing retail garden center outlet for private or chain store outlets (\$24,000+)
- Landscape Maintenance Supervisor - Manage landscape maintenance programs for single family dwellings or commercial landscapes (\$22,000+)
- Horticulture Sales - Wholesale marketing of plants, equipment, or supplies to retail outlets (\$22,000+)

**FLORICULTURE/GREENHOUSE MANAGEMENT**

**First Semester (14 hrs)**

**BTO 100** Orientation (1)  
**OHO 131** Horticulture (3)  
**OHO 132** Horticulture Lab (1)  
**ENG 101** English Comp I (3)  
**Ag/Hort** Elective (3)  
**MAT 105** Math (3)

**Second Semester (17 hrs)**

**OHO 362E** Floral Design (2)  
**AGR 210** Ag Math (2)  
**AGR 213** Ag Mechanics (3)  
**ENG 102** English Comp II (3)  
**ECO 120** Economics (3)  
**CHE 101+Lab/BIO 111/112**  
 Chemistry/Biology (4)

**Third Semester (15 hrs)**

**OHO 388** Greenhouse Mgt (3)  
**OHO 364** Adv Floral Design (2)  
**AGR 308** Agribusiness (3)  
**E-3** Arts/Humanities (3)  
**Directed Work/Co-op** (3)  
**OHO 362K** Plantscapes (1)

**Fourth Semester (15 hrs)**

**OHO 384** Floral Crops (3)  
**OHO 304** Pest Mgt. (4)  
**Directed Work/Co-op** (3)  
**AGR 215/216** Soils (4)  
**AGR 305** Seminar (1)

**Career Opportunities in Floriculture/Greenhouse Management:**

- Greenhouse Manager - Assist in managing the production of floral and foliage plants (\$21,000+)
- Greenhouse Sales - Marketing of greenhouse structures and supplies (\$20,000+)
- Retail Florist - Preparing and marketing floral design and related products (\$20,000+)
- Wholesale Florist - Wholesale marketing of flowers, plants, and related products (\$20,000+)
- Interior Plantscaper - Design with foliage plants in interiors (\$21,000+)