



A.A.S. in Agriculture

Greenhouse and Fruit/Vegetable Production, Landscape, Turfgrass Concentrations

Associate of Applied Science at EKU

With concentrations in Agricultural Systems, Agribusiness, Livestock, Greenhouse and Fruit/Vegetable Production, Landscape Horticulture, and Turfgrass, the curriculum provides career training to prepare you for a rewarding and successful career in Agriculture. And, associate degree credits apply 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. The 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. Small class size promotes interaction between students and faculty. The Department of Agriculture is 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 Fruit/Vegetable Production, 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, and golf course management. 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 laboratory, 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 laboratory 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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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 (15 hrs)

BTO 100 Orientation (1)
OHO 131 Horticulture (3)
OHO 132 Horticulture Lab (1)
ENG 101 English Comp I (3)
Ag/Hort Elective (1)
MAT 105 Math (3)
ECO 120 Economics (3)

Second Semester (15 hrs)

ENG 102 English Comp II (3)
Directed Work/Co-op (1)
CHE 101+Lab/BIO 111/112 Chemistry/Biology (4)
AGR 125 Animal Science (3)
AGR 126 Animal Science Lab (1)
AGR 215 Soils (3)
AGR 216 Soils Lab (1)

Third Semester (15 hrs)

AGR 305 Seminar (1)
AGR 308 Agribusiness (3)
OHO 351 Turf Mgt. (4)
OHO 353 (3)
E-3 Arts/Humanities (3)
Directed Work/Co-op (1)

Fourth Semester (15 hrs)

AGR 213 Ag Mechanics (3)
OHO 370 Landscape (3)
OHO 354 (3)
OHO 304 Pest Mgt. (4)
Directed Work/Co-op (2)

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)
ENG 101 English Comp I (3)
MAT 105 Math (3)
OHO 131 Horticulture (3)
OHO 132 Horticulture Lab (1)
AGR 213 Ag Mechanics (3)

Second Semester (14 hrs)

ENG 102 English Comp II (3)
ECO 120 Economics (3)
CHE 101+Lab/BIO 111/112 Chemistry/Biology (4)
AGR 125 Animal Science (3)
AGR 126 Animal Science Lab (1)

Third Semester (16 hrs)

OHO 365 Decid. Plants (3)
OHO 370 Retail /Landscape (3)
AGR 308 Agribusiness (3)
Directed Work/Co-op (2)
AGR 305 Jr. Seminar (1)
AGR 215 Soils (3)
AGR 216 Soils Lab (1)

Fourth Semester (16 hrs)

OHO 304 Pest Mgt. (4)
OHO 368 (2)
OHO 391 (3)
OHO 392 (3)
Directed Work/Co-op (1)
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+)

GREENHOUSE & FRUIT/VEGETABLE PRODUCTION

First Semester (14 hrs)

BTO 100 Orientation (1)
OHO 131 Horticulture (3)
OHO 132 Horticulture Lab (1)
ENG 101 English Comp I (3)
AGR 213 Ag Mechanics (3)
MAT 105 Math (3)

Second Semester (14 hrs)

ENG 102 English Comp II (3)
ECO 120 Economics (3)
CHE 101+Lab/BIO 111/112 Chemistry/Biology (4)
AGR 125 Animal Science (3)
AGR 126 Animal Science Lab (1)

Third Semester (15 hrs)

OHO 388 Greenhouse Mgt (3)
OHO 372 (2)
OHO 373 (3)
AGR 308 Agribusiness (3)
E-3 Arts/Humanities (3)
Directed Work/Co-op (1)

Fourth Semester (17 hrs)

OHO 304 (4)
AGR 215 Soils (3)
AGR 216 Soils Lab (1)
OHO 374 (3)
OHO 375 (3)
AGR 305 Seminar (1)
Directed Work/Co-op (2)

Career Opportunities in Greenhouse & Fruit/Vegetable Production:

- 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+)