



# Turfgrass and Landscape Concentration

Agriculture B.S. Degree

## Horticulture at EKU

The Turfgrass and Landscape curriculum provides career training to prepare you for a rewarding and successful career in a variety of fields in Horticulture. It encompasses greenhouse management, floriculture, landscape designs and Nursery Management. A wide array of jobs are available in private and commercial business, horticulture sales, design, finance, government agencies and career and technical instruction. Our program stresses the latest technical information in the classroom with practical application through laboratories. Hands-on-training is reinforced through on-campus practicums in the university gardens, greenhouses, and nursery. Additional experience can be gained through off-campus internships. 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 employed in the plant production industry, turf industry, greenhouse production, floriculture, landscape design, sales, and maintenance professions. The United States Department of Agriculture predicts a shortfall of graduates in these areas. Potential job opportunities with a concentration in Turfgrass and Landscape include Landscape Designer, Golf Course Superintendent, Turfgrass Specialist, and Sales and Marketing.

- Landscape Designer - Design / sales in residential and small commercial landscapes
- Garden Center Manager - Manage retail garden center outlet for private or chain store outlets
- Landscape Maintenance Supervisor - Manage landscape programs for residential or commercial landscapes
- Golf Course Superintendent - Managing a golf course grounds
- Assistant Golf Course Superintendent - Managing a golf course grounds
- Turf Irrigation Specialist - Sales and/or maintenance of irrigation systems
- Golf Course Manager - Managing pro shop and turfgrass areas
- Turfgrass Sales - Selling turf related supplies
- Superintendent of Recreational Complex - Maintenance of fields, buildings, and landscapes
- Institutional Grounds Supervisor - Maintenance of all grounds areas
- Lawn Care Company Manager - Managing a lawn care branch
- Turfgrass Specialist - Turfgrass seed sales
- Horticulture Sales - Wholesale marketing of plants, equipment, or supplies to retail outlets
- Greenhouse Manager - Managing the production of nursery, floral and foliage crops
- Greenhouse Sales - Marketing of greenhouse structures and supplies

## 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

Horticulture 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. The Department operates and maintains five greenhouses producing numerous crops, landscape areas that include a nursery, specimen areas, and a shade house; all are adjacent to the Carter Building. Students have the opportunity to develop their extracurricular leadership skills through the Horticulture Club, GCSAA Student Chapter and DTA, an agriculture/ horticulture honorary society.

## For More Information

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## Suggested Curriculum Guide for Turfgrass and Landscape Concentration

### Freshman (1<sup>st</sup> Semester) 14 hrs

BTO 100\*\* Orientation (1 hr)  
 OHO 131 or AGR 130 Principles of Horticulture  
 OHO 132 or AGR 131 Horticulture Lab (1 hr)  
 AGR 115 Agricultural Equipment (2 hrs)  
 E-2 MAT 105 or Higher Mathematics  
 E-4A BIO 111 or 112 Biology (4 hrs)

### Sophomore (1<sup>st</sup> Semester) 14 hrs

AGR 215 Soils  
 AGR 216 Soils Lab (1 hr)  
 OHO 365 Plant ID  
 E-1B ENG 102 Composition II  
 E-4B CHE 101 Chemistry  
 E-4B CHE 101L Chemistry Lab (1 hr)

### Junior (1<sup>st</sup> Semester) 15 hrs

AGR 305 Professional Skills Seminar (1 hr)  
 E-6 Diversity (3 hrs)  
 OHO 351 Turfgrass Mgmt (4 hrs)  
 OHO 301 or 349 Experiential Learning (1 hr)  
 AGR 340 Conservation of Ag Resources  
 E-6 Diversity (3 hrs)

### Senior (1<sup>st</sup> Semester) 15 hrs

AGR 310 Ag Business Mgmt  
 Approved Electives (6 hrs)  
 AGR 319 Ag Energy Systems  
 AGR 416 Soil Mgmt

### Freshman (2<sup>nd</sup> Semester) 15 hrs

E-1A ENG 101 Composition  
 CIS 212 or INF 104 or TEC 161  
 E-5B ECO 120 Economics  
 AGR 213 Agricultural Mechanics  
 E-5A Historical Perspective (3 hrs)

### Sophomore (2<sup>nd</sup> Semester) 16 hrs

AGR 308 Ag Econ  
 OHO 304 Pest Management (4 hrs)  
 E-1C CMS 100 or 210 Communications  
 E-3B Humanities-Writing Intensive (3 hrs)  
 OHO 354 Hort Equip and Irrigation

### Junior (2<sup>nd</sup> Semester) 16 hrs

E-3A Arts (3 hrs)  
 Free Electives (3 hrs)  
 AGR 404 Adv Pest Mgmt  
 AGR/OHO Upper Div Electives (3 hrs)  
 Approved Electives (4 hrs)

### Senior (2<sup>nd</sup> Semester) 15 hrs

AGR 411 Senior Seminar (1 hr)  
 OHO 498, 499, or AGR 509 Capstone  
 AGR/OHO Upper Div Electives (6 hrs)  
 OHO 370 Landscape Operations  
 OHO 301 or 349 Experiential Learning (2 hr)  
 BTS 400 College to Careers Seminar (0 credit)\*\*

\*A total of 42 credits including electives must be upper division (>300).

\*\*Course must be taken in semester indicated.

## UNIVERSITY GRADUATION REQUIREMENTS

<b>University Requirements</b> .....	37 hrs
Orientation Course (1 hr)-waived for transfers with 30+ hrs.	
General Education (36 hrs)-see supporting course requirements	
<b>College Requirements:</b>	
BTS 400 (CR only, no hrs).....	0 hr
<b>Program Core Courses</b> .....	31 hrs
AGR 115(2), 130, 131(1), 213, 215, 216(1), 304(4), 305(1), 308, 310, 319, 340, 411(1)	
<b>Program Electives</b> .....	15 hrs
<b>Experiential learning.</b> 3 hours from AGR 301, 302, 349, OHO 301,349;	
<b>ACCT capstone.</b> Select one course from AGR 499, 509, OHO 498, 499;	
<b>Upper Division Electives in AGR and/or OHO</b> ...9 hours	
<b>Turfgrass and Landscape concentration</b> .....	29 hrs
AGR 404, 416; OHO 351(4), 354, 365, 370; and 10 hours advisor approved electives	
<b>Supporting Course Requirements</b> .....	5 hrs
BIO 111 or 112 (counted in GE Element 4A) and CHE 101/101L (counted in GE Element 4B) and	
ECO 120 (counted in GE Element 5B) and CIS 212 or INF 104	
<b>Free Electives</b> .....	3 hrs
<b>Total Curriculum Requirements</b> .....	<b>120 hrs</b>