



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 residential and commercial landscape management, environmental protection, golf course and sports turf designs, and nursery management. A wide array of jobs are available in private and commercial business, horticulture sales, design, finance, extension, government agencies and career and technical instruction. Hands-on-training is reinforced through on-campus practicums in the university gardens, greenhouses, nursery, golf hole, and turf plots. 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 enable 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 US Department of Agriculture predicts a shortfall of graduates in these areas.

- **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 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 or Sports Turf** - 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 with the changing technology and environment of the future greenscapes.

Department Facilities & Student Organizations

The Horticulture Program at EKU is supported by excellent classroom laboratories and facilities surrounding the A.B. Carter Building, including a modern computer laboratory, agriculture mechanics shop, hydraulic trainers, varying indoor and outdoor irrigation systems, greenhouses, fruit and vegetable gardens, landscape gardens and turf areas such as an on-campus golf hole complement and develop a student's horticulture understanding. Students have the opportunity to develop their extracurricular leadership skills through the Agriculture/Collegiate Farm Bureau Club, Block & Bridle Club, Delta Tau Alpha Agriculture Honor Society, Horticulture Club, Pre-Vet Club, Sigma Alpha Sorority, and competition in the National Collegiate Landscape Competitions.

For More Information

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Suggested Curriculum Guide for Turfgrass and Landscape Concentration

Freshman (1st semester) 15 hrs

§GSD 101	Foundations of Learning	3
AGR 130/131	Plant Science with Lab -OR-	4
OHO 131/132	Principles of Horticulture with Lab	
AGR 115	Operation of Agricultural Equipment	2
AGR 170	Appl of Unmanned Ariel Systems in Ag	3
Gen. Ed. 1A (ENG 101)		3

Freshman (2nd semester) 16 hrs

AGR 213	Principles of Ag Mechanics and Energy Sys	3
BIO 111	Cell and Molecular Biology -OR-	4
BIO 112	Ecology and Evolution	
INF 104	Computer Lit and Software Appl -OR-	3
TEC 161	Computer Applications in Technology	
Gen. Ed. 1B (ENG 102)		3
Gen. Ed. 2 (Math)		3

Sophomore (1st semester) 14 hrs

AGR 215	Principles of Soils	3
AGR 216	Principles of Soils Laboratory	1
OHO 365	Plant ID I	3
CHE 101	Introduction to Chemistry	3
CHE 101L	Introduction to Chemistry Lab	1
Gen. Ed. 5A (History)		3

Sophomore (2nd semester) 15 hrs

OHO 354	Horticulture Equipment and Irrigation	3
ECO 120	Economic Reasoning and Issues	3
Gen. Ed. 1C (Oral Communications)		3
Gen. Ed. 3A (Arts)		3
Gen. Ed. 3B (Humanities)		3

Junior (1st semester) 15 hrs

AGR 304	Pest Management	4
AGR 305	Professional Skills Seminar	1
AGR 308	Agricultural Economics	3
AGR 340	Conservation of Agricultural Resources	3
AGR/OHO Experiential Learning		1
Gen. Ed. 6 (Diversity)		3

Junior (2nd semester) 16 hrs

AGR 310	Principles of Agribusiness Management	3
AGR 319	Renewable & Sustainable Energy Sys	3
AGR 404	Advanced Pest Management	3
AGR/OHO Experiential Learning		1
Advisor approved elective		3
Gen. Ed. 6 (Diversity)		3

Senior (1st semester) 16 hrs

AGR 416	Soil Fertility and Management	3
OHO 351	Turfgrass Management	4
AGR/OHO Upper Division Elective		3
Advisor approved elective		3
Advisor approved elective		3

Senior (2nd semester) 14 hrs

AGR 411	Senior Seminar	1
OHO 370	Landscape Operations Management	3
AGR/OHO Capstone		3
AGR/OHO Upper Division Elective		3
AGR/OHO Upper Division Elective		3
AGR/OHO Experiential Learning		1

§ Course must be taken in the semester indicated

UNIVERSITY GRADUATION REQUIREMENTS.....39 hours

- General Education.....36 hours
- Foundations in Learning (GSD 101; waived for transfers with 30+ hrs).....3 hours
- Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)

MAJOR REQUIREMENTS

Core Courses.....49 hours

AGR 130 and 131(1) or OHO 131 and 132(1); AGR 115(2), AGR 170, AGR 213, AGR 215, AGR 216(1), AGR 304(4), AGR 305(1), AGR 308, AGR 310, AGR 319, AGR 340, AGR 411(1); Plus three hours from (AGR experiential learning): AGR/OHO 301(1-6), AGR 302, AGR/OHO 349(1-6); Plus one course from (AGR/OHO capstone): AGR/OHO 499, AGR 509, OHO 498; Plus nine hours selected from upper division AGR and/or OHO courses.

Turfgrass and Landscape Concentration Requirements.....26 hours

AGR 404, AGR 416, OHO 351(4), OHO 354, OHO 365, OHO 370; Plus ten hours of advisor approved electives in AGR and/or OHO courses.

Supporting Course Requirements.....5 hours

BIO 111(4) or BIO 112(4); CHE 101, CHE 101L(1); ECO 120; INF 104 or TEC 161.

Total Curriculum Requirements

122 hours