

CURRICULUM GUIDE
Agriculture, BS (Agronomy, Soils, and Natural Resource Concentration)
2021-2022

Website: www.agriculture.eku.edu
 Email Contact: agriculture@eku.edu

Department of Agriculture
 521 Lancaster Ave.
 2 Carter Bldg.
 Richmond, KY 40475
 859-622-2228

The schedule below is an **EXAMPLE** of how you can arrange your class schedule.
 Please consult your advisor for specific changes that may need to be made.

	Fall Semester	Spring Semester
Freshman Year	BTO 100	1 AGR 130 <i>or</i> OHO 131
	AGR 125	3 AGR 131 <i>or</i> OHO 132
	AGR 126	1 AGR 213
	AGR 170	3 CIS 212, INF 104 <i>or</i> TEC 161
	⁶ BIO 111 <i>or</i> 112 (<i>fulfills Gen. Ed. 4</i>)	4 Gen. Ed. 1A (<i>ENG 101</i>)
	Gen. Ed. 2 (<i>Math</i>)	3 Gen. Ed. 5A (<i>History</i>)
	TOTAL	15
Sophomore Year	AGR 115 (<i>fall only</i>)	2 AGR 215
	AGR 304	4 AGR 216
	⁶ CHE 101 (<i>fulfills Gen. Ed. 4</i>)	3 AGR 308
	CHE 101L	1 Gen. Ed. 1C (<i>Oral Comm.</i>)
	⁶ ECO 120 (<i>fulfills Gen. Ed. 5B</i>)	3 Gen. Ed. 3A (<i>Arts</i>)
	Gen. Ed. 1B (<i>ENG 102</i>)	3 Gen. Ed. 3B (<i>Humanities</i>) (<i>writing intensive</i>)
	TOTAL	16
Junior Year	AGR 305	1 AGR 312
	AGR 310	3 AGR 319
	AGR 340	3 AGR 404
	AGR 430	3 +AGR/OHO (<i>upper division elective</i>)
	†AGR/OHO (<i>experimental learning elective</i>)	2
	Gen. Ed. 6 (<i>Diversity</i>)	3
	TOTAL	15
Senior Year	AGR 416	3 AGR 411
	AGR 570	3 AGR 345
	+AGR/OHO (<i>upper division elective</i>)	3 BTS 400
	+AGR/OHO (<i>upper division elective</i>)	3 ††AGR 499, 509, OHO 498, <i>or</i> 499 (<i>ACCT capstone</i>)
	*GEO 353	3 AGR/OHO (<i>concentration upper division elective</i>)
		1 †AGR/OHO (<i>experimental learning elective</i>)
		3 Gen. Ed. 6 (<i>Diversity</i>)
TOTAL	15	
TOTAL HOURS TO DEGREE COMPLETION		120

Course Number	Course Name
GENERAL EDUCATION & UNIVERSITY REQUIREMENTS (37)	
BTO 100	Business and Technology Orientation (1)
COLLEGE OF BUSINESS REQUIREMENT	
BTS 400	College to Careers Seminar (0)
CORE COURSE REQUIREMENTS (49)	
[AGR 130 <i>and</i> AGR 131 <i>OR</i> OHO 131 <i>and</i> OHO 132]	Plant Science (3) Plant Science Laboratory (1) Plant Science (3) Plant Science Laboratory (1)
AGR 115	Operation of Agricultural Equipment (2) (<i>fall only</i>)
AGR 170	Application of Unmanned Aircraft Systems in Agriculture (3)
AGR 213	Principles of Agricultural Mechanics and Energy Systems (3)
[AGR 215 AGR 216]	Principles of Soils (3) Principles of Soils Laboratory (1)
AGR 304	Pest Management (4)
AGR 305	Professional Skills Seminar (1)
AGR 308	Agricultural Economics (3)
AGR 310	Principles of Agribusiness Management (3)
AGR 319	Renewable and Sustainable Energy Systems (3)
AGR 340	Conservation of Agricultural Resources (3)
AGR 411	Senior Seminar (1)
<i>Bracketed items must be taken concurrently</i>	
†PLUS THREE (3) HOURS selected from (<i>experimental learning</i>):	
AGR 301	Directed Work Experience (1-4)
AGR 302	Directed Work Experience-Management Practicum (3)
AGR 349	Applied Learning in Agriculture (.5-8)
OHO 301	Directed Work Experience (1-4)
OHO 349	Applied Learning in Horticulture (.5-8)
††PLUS ONE (1) COURSE selected from (<i>ACCT Capstone</i>):	
AGR 499	Agricultural Advocacy and Issues Capstone (3)
AGR 509	Agricultural Research Methods and Interpretation (3) (<i>fall only</i>)
OHO 498	Turfgrass Capstone (3)
OHO 499	Horticultural Issues Capstone (3)
+PLUS NINE (9) HOURS selected from upper division AGR and/or OHO courses (<i>upper division elective</i>).	
AGRONOMY, SOILS AND NATURAL RESOURCES CONCENTRATION REQUIREMENTS (26)	
[AGR 125 AGR 126 AGR 312]	Principles of Animal Science (3) Animal Science Laboratory (1) Ecology and Management of Grasslands and Pastures (4)
AGR 345	Sustainable Agroecosystems (3)
AGR 404	Advanced Pest Management (3) (<i>spring only</i>)
AGR 416	Soil Fertility and Management (3)
AGR 430	Field Crop Production (3)
AGR 570	Advanced Technical Agriculture: ____ (3)
PLUS THREE (3) HOURS upper division AGR and/or OHO courses (<i>concentration upper division elective</i>) (<i>cannot use the same courses for the core upper division elective and the concentration upper division elective</i>)	
SUPPORTING COURSE REQUIREMENTS (8)	
⁶ BIO 111 <i>or</i> ⁶ BIO 112	Cell and Molecular Biology (4) Ecology and Evolution (4)
[⁶ CHE 101 <i>and</i> ⁶ CHE 101L]	Introductory Chemistry (3) Introductory Chemistry Lab (1)
CIS 212 <i>or</i> INF 104 <i>or</i> TEC 161	Introduction to Computer Information Systems (3) Computer Literacy with Software Applications (3) Computer Applications in Technology (3)
⁶ ECO 120	Economic Reasoning and Issues (3)
* GEO 353	Geographic Information Systems (3)
FREE ELECTIVES (0)	

* **PREREQUISITES:** Consult with your advisor and/or the University catalog regarding prerequisites for upper division AGR and OHO courses. AGR 216 is a prerequisite for GEO 353.

Upper division courses: All students are required to have a minimum of 42 hrs. upper division (300 level or above) courses distributed throughout Major/Supporting/Gen Ed/Free Electives categories.

Refer to the University Catalog at <http://www.catalogs.eku.edu/> regarding University and General Education Requirements. All baccalaureate degree seeking students who enter the University are required to successfully complete one writing intensive course following completion of the ENG 102, ENG 105, or HON 102/103. Writing intensive courses are designated with the suffix "W" following the course prefix and number (e.g. HUM 300W).

Applied Critical & Creative Thinking (ACCT) Requirement: Agriculture majores will fulfill ACCT with AGR 499, AGR 509, OHO 498, or OHO 499 (Credit hours are incorporated into program requirements.)

⁶ Denotes that 3 credit hours from this course are/can be applied to fulfill a Gen. Ed. requirement.