

CURRICULUM GUIDE
Agriculture, BS (Livestock Management)
2021-2022

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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	3
	AGR 125	3	AGR 131 <i>or</i> OHO 132	1
	AGR 126	1	AGR 225 <i>or</i> 330 (<i>spring only</i>)	3
	AGR 170	3	CIS 212, INF 104 <i>or</i> TEC 161	3
	⁶ BIO 111 <i>or</i> 112 (<i>fulfills Gen. Ed. 4</i>)	4	Gen. Ed. 1A (<i>ENG 101</i>)	3
	Gen. Ed. 2 (Math)	3	Gen. Ed. 5A (<i>History</i>)	3
	TOTAL	15	TOTAL	16
Sophomore Year	AGR 115	2	AGR 213	3
	⁶ CHE 101 (<i>fulfills Gen. Ed. 4</i>)	3	AGR 215	3
	CHE 101L	1	AGR 216	1
	⁶ ECO 120 (<i>fulfills Gen. Ed. 5B</i>)	3	AGR 308	3
	⁷ Animal Science elective	3-4	Gen. Ed. 1C (<i>Oral Comm.</i>)	3
	[†] AGR/OHO (<i>experimental learning elective</i>)	1	Gen. Ed. 3B (<i>Humanities</i>)	3
	Gen. Ed. 1B (<i>ENG 102</i>)	3	(<i>writing intensive</i>)	3
	TOTAL	16-17	TOTAL	16
Junior Year	AGR 304	4	AGR 305	1
	AGR 340	3	AGR 319	3
	⁷ Animal Science elective	3-4	⁸ Animal Production Elective	3-4
	Gen. Ed. 6 (<i>Diversity</i>)	3	[†] AGR/OHO (<i>experimental learning elective</i>)	1
			Gen. Ed. 3A (<i>Arts</i>)	3
			Gen. Ed. 6 (<i>Diversity</i>)	3
TOTAL	13-14	TOTAL	14-15	
Senior Year	AGR 310	3	BTS 400	0
	AGR 321	4	^{††} AGR 499, 509, OHO 498, <i>or</i> 499 (<i>ACCT capstone</i>)	3
	AGR 411	1	⁷ Animal Science elective	3-4
	[†] AGR/OHO (<i>experimental learning elective</i>)	1	⁸ Animal Production Elective	4
	[†] AGR/OHO upper division elective	3	[†] AGR/OHO upper division elective	3
	[†] AGR/OHO upper division elective	3	AGR/OHO advisor approved elective	2
	TOTAL	15	TOTAL	15-16
TOTAL HOURS TO DEGREE COMPLETION		120-124		

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	Plant Science (3) Plant Science Laboratory (1)
OR	
[OHO 131 <i>and</i> OHO 132	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	Principles of Soils (3)
AGR 216	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>).	
LIVESTOCK MANGEMENT CONCENTRATION REQUIREMENTS (29)	
[AGR 125	Principles of Animal Science (3)
AGR 126	Animal Science Laboratory (1)
AGR 225 <i>or</i> AGR 330	Evaluation and Selection of Livestock (3) (<i>spring only</i>)
AGR 321	Animal Products (3) Feeds and Feeding (4) (<i>fall only</i>)
⁸ PLUS TWO (2) COURSES selected from the following (<i>animal production elective</i>):	
AGR 326	Light Horse Production and Management (4)
AGR 327	Beef Production (4) (<i>fall only</i>)
AGR 328	Swine Production (4)
AGR 329	Sheep and Goat Production (4)
AGR 332	Poultry Production and Management (3)
AGR 380	Technical Management of Dairy Cattle (4) (<i>fall only</i>)
⁷ PLUS THREE (3) COURSES selected from the following (<i>animal science elective</i>):	
AGR 312	Ecology and Management of Grasslands and Pastures (4)
AGR 372	Topics and Laboratories in Animal Sciences (2-6)
AGR 373	Animal Diseases (4) (<i>fall only</i>)
AGR 374	Genetics of Livestock Improvement (3) (<i>spring only</i>)
AGR 375	Reproduction and Artificial Insemination of Domestic Animals (4)
AGR 376	Anatomy and Physiology of Domestic Animals (4)
AGR 377	Livestock Behavior and Welfare (3)
AGR 421	Animal Nutrition (3) (<i>spring only</i>)
PLUS TWO (2) HOURS of advisor approved electives in AGR and/or OHO (<i>AGR/OHO elective</i>).	
SUPPORTING COURSE REQUIREMENTS (5)	
⁶ BIO 111 <i>or</i> ⁶ BIO 112	Cell and Molecular Biology (4) Ecology and Evolution (4)
[⁶ CHE 101 <i>and</i> 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)
FREE ELECTIVES (0)	

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

* **PREREQUISITES:** Consult with your advisor and/or the University catalog regarding prerequisites for upper division AEM, AGR, and OHO courses.

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 majors will fulfill ACCT with AGR 499, AGR 509, OHO 498, or OHO 499 (Credit hours are incorporated into program requirements.)