

**CURRICULUM GUIDE**  
**Agriculture, B.S. (Livestock Management)**  
**2023-2024**

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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	
<b>Freshman Year</b>	SCO 100	1	AGR 225 <i>or</i> 330 (spring only)	3
	AGR 125	3	<sup>6</sup> BIO 111 <i>or</i> 112 (fulfills Gen. Ed. 4)	1
	AGR 126	1	CIS 212, INF 104 <i>or</i> TEC 161	3
	AGR 130 <i>or</i> OHO 131	3	<sup>7</sup> Animal Science elective	3-4
	AGR 131 <i>or</i> OHO 132	1	Gen. Ed. 5A (History)	3
	Gen. Ed. 1A (ENG 101)	3		
	Gen. Ed. 2 (Math)	3		
	<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>16-17</b>
<b>Sophomore Year</b>	AGR 115	2	AGR 213	3
	AGR 170	3	AGR 215	3
	<sup>6</sup> CHE 101 (fulfills Gen. Ed. 4)	3	AGR 216	1
	CHE 101L	1	AGR 308	3
	<sup>6</sup> ECO 120 (fulfills Gen. Ed. 5B)	3	Gen. Ed. 1C (Oral Comm.)	3
	<sup>†</sup> AGR/OHO (experimental learning elective)	1	Gen. Ed. 3B (Humanities) (writing intensive)	3
	Gen. Ed. 1B (ENG 102)	3		
	<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>16</b>
<b>Junior Year</b>	AGR 304	4	AGR 305	1
	AGR 340	3	AGR 319	3
	<sup>7</sup> Animal Science elective	3-4	<sup>8</sup> Animal Production Elective	3-4
	Gen. Ed. 6 (Diversity)	3	<sup>†</sup> AGR/OHO (experimental learning elective)	1
			Gen. Ed. 3A (Arts)	3
			Gen. Ed. 6 (Diversity)	3
	<b>TOTAL</b>	<b>13-14</b>	<b>TOTAL</b>	<b>14-15</b>
<b>Senior Year</b>	AGR 310	3	BTS 400	0
	AGR 321	4	<sup>††</sup> AGR 499, 509, OHO 498, <i>or</i> 499 (ACCT capstone)	3
	AGR 411	1	<sup>7</sup> Animal Science elective	3-4
	<sup>†</sup> AGR/OHO (experimental learning elective)	1	<sup>8</sup> Animal Production Elective	4
	<sup>♦</sup> AGR/OHO upper division elective	3	<sup>♦</sup> AGR/OHO upper division elective	3
	<sup>♦</sup> AGR/OHO upper division elective	3	AGR/OHO advisor approved elective	2
	<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15-16</b>
		<b>TOTAL HOURS TO DEGREE COMPLETION</b>	<b>120-124</b>	

\* **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.

Course Number	Course Name
<b>GENERAL EDUCATION &amp; UNIVERSITY REQUIREMENTS (37)</b>	
SCO 100	Student Success Seminar (1)
<b>CORE COURSE REQUIREMENTS (49)</b>	
[ 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) (fall only)
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)
Bracketed items must be taken concurrently	
<sup>†</sup> PLUS THREE (3) HOURS selected from (experimental learning):	
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)
<sup>††</sup> PLUS ONE (1) COURSE selected from (ACCT Capstone):	
AGR 499	Agricultural Advocacy and Issues Capstone (3)
AGR 509	Agricultural Research Methods and Interpretation (3) (fall only)
OHO 498	Turfgrass Capstone (3)
OHO 499	Horticultural Issues Capstone (3)
<sup>♦</sup> PLUS NINE (9) HOURS selected from upper division AGR and/or OHO courses (upper division elective).	
<b>LIVESTOCK MANGEMENT CONCENTRATION REQUIREMENTS (29)</b>	
[ 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) (spring only)
AGR 321	Animal Products (3)
	Feeds and Feeding (4) (fall only)
<sup>8</sup> PLUS TWO (2) COURSES selected from the following (animal production elective):	
AGR 326	Light Horse Production and Management (4)
AGR 327	Beef Production (4) (fall only)
AGR 328	Swine Production (4)
AGR 329	Small Ruminant Production (4)
AGR 332	Poultry Production and Management (3)
AGR 380	Technical Management of Dairy Cattle (4) (fall only)
<sup>9</sup> PLUS THREE (3) COURSES selected from the following (animal science elective):	
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) (fall only)
AGR 374	Genetics of Livestock Improvement (3) (spring only)
AGR 375	Reproduction and Artificial Insemination of Domestic Animals (4)
AGR 376	Domestic Animal Anatomy (4)
AGR 377	Livestock Behavior and Welfare (3)
AGR 421	Nutrient Metabolism (3) (spring only)
PLUS TWO (2) HOURS of advisor approved electives in AGR and/or OHO (AGR/OHO elective).	
<b>SUPPORTING COURSE REQUIREMENTS (5)</b>	
<sup>6</sup> BIO 111 <i>or</i> <sup>6</sup> BIO 112	Cell and Molecular Biology (4) Ecology and Evolution (4)
[ <sup>6</sup> 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)
<sup>6</sup> ECO 120	Economic Reasoning and Issues (3)
<b>FREE ELECTIVES (0)</b>	

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