

AGRICULTURE, BACHELOR OF SCIENCE WITH A CONCENTRATION IN LIVESTOCK MANAGEMENT (B.S.)

Program Requirements

CIP Code: 01.0301

Summary Checklist for General Education

Code	Title	Hours
Element 1		
A:	Written Communication (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/)	3
B:	Written Communication (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/)	3
C:	Oral Communication (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/)	3
Element 2		
	Quantitative Reasoning (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-2/)	3
Element 3		
A:	Arts (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-3/)	3
B:	Humanities (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-3/)	3
Element 4		
	Natural Sciences (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-4/)	6
Element 5		
A:	Historical Science (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-5/)	3
B:	Social Behavioral Science (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-5/)	3
Element 6		
	Diversity of Perspectives Experiences (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-6/)	6
Total Hours		36

Students are expected to complete Elements 1 and 2 within their first 60 hours of college credit.

Major

Code	Title	Hours
University Graduation Requirements		
General Education		36
SCO 100	Student Success Seminar	1
<i>Student Success Seminar</i>		
Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)		
Major Requirements		
<i>Core Courses</i>		
Choose from one of the following:		4
AGR 130 & AGR 131	Plant Science and Plant Science Laboratory	
OHO 131 & OHO 132	Plant Science and Plant Science Laboratory	
AGR 115	Operation of Agricultural Equipment	2
AGR 170	Appl Unmanned Aerial Sys Agri	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
Concentrations		
Students must select one of the following Concentrations:		
Agribusiness Management		
Agriculture Engineering Technology		
Agronomy, Soils and Natural Resources		
Livestock Management		44-48
Fruit, Vegetable, Nursery and Greenhouse Production		
Turfgrass and Landscape		
<i>Supporting Course Requirements</i>		
BIO 111 or BIO 112	Cell and Molecular Biology (Element 4) ^G or Ecology and Evolution	
CHE 101 & 101L	Introductory Chemistry and Introductory Chemistry Lab (Element 4) ^G	
ECO 120	Economic Reasoning and Issues (Element 5B) ^G	
Choose from one of the following:		3
CIS 212	Introduction to Computer Information Systems	
INF 104	Computer Literacy with Software Applications	
TEC 161	Computer Applications in Technology	
<i>Free Electives</i>		
Choose from 0-2 hours of program electives		0-2
Total Hours		120

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Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above.

Concentration

Code	Title	Hours
Concentration Courses		
AGR 125	Principles of Animal Science	3
AGR 126	Animal Science Laboratory	1
AGR 225 or AGR 330	Evaluation and Selection of Livestock Animal Products	3
AGR 321	Feeds and Feeding	4
Choose from two of the following:		7-8
AGR 326	Light Horse Production and Management	
AGR 327	Beef Production	
AGR 328	Swine Production	
AGR 329	Small Ruminant Production	
AGR 332	Poultry Production and Management	
AGR 380	Technical Management of Dairy Cattle	
Choose from three of the following:		9-12
AGR 312	Ecology and Management of Grasslands and Pastures	
AGR 372	Topics and Laboratories in Animal Sciences	
AGR 373	Animal Diseases	
AGR 374	Genetics of Livestock Improvement	
AGR 375	Reproduction and Artificial Insemination of Domestic Animals	
AGR 376	Domestic Animal Anatomy	
AGR 377	Livestock Behavior and Welfare	
AGR 421	Animal Nutrient Metabolism	
Choose from two hours of advisor approved elective in AGR and/or OHO		2
<i>Program Electives</i>		
Experiential Learning:		
Choose from three hours of the following:		3
AGR 301	Directed Work Experience	
AGR 302	Directed Work Experience- Management Practicum	
AGR 349	Applied Learning in Agriculture	
OHO 301	Directed Work Experience	
OHO 349	Applied Learning in Horticulture	
ACCT Capstone:		
Choose from one of the following:		3
AGR 499	Agricultural Advocacy and Issues Capstone	
AGR 509	Agriculture Research Methods and Interpretation	
OHO 498	Turf Grass Capstone	
OHO 499	Horticultural Issues Capstone	
Choose from nine hours of Upper Division Electives in AGR and/or OHO		9
Total Hours		44-48