

AGRICULTURE - AAS

Offered at: Elizabethtown Community and Technical College, Henderson Community College, Hopkinsville Community College, Madisonville Community College, Owensboro Community and Technical College

Program Plan Number: 0103017039

May be available completely online. Please check with your academic advisor.

Course	Title	Credits
General Education		
ENG 101	Writing I	3
ENG 102	Writing II	3
COM 181	Basic Public Speaking	3
Select one of the following four options:		3
MAT 110	Applied Mathematics	
MAT 116	Technical Mathematics	
MAT 126	Technical Algebra and Trigonometry	
MAT 150	College Algebra	
AGR 101	The Economics of Food and Agriculture	3
Heritage/Humanities		3
Select one of the following six options:		4-5
BIO 112 & BIO 113	Introduction to Biology and Introduction to Biology Lab	
BIO 114 & BIO 115	Biology I and Biology Laboratory I	
BIO 116 & BIO 117	Biology II and Biology Laboratory II	
BIO 143	Zoology with Laboratory	
BIO 141	Botany with Laboratory	
BIO 150 & BIO 151	Principles of Biology I and Principles of Biology Laboratory I	
Select one of the following three options:		4
CHE 130 & CHE 135	Introductory General and Biological Chemistry and Introductory General and Biological Chemistry Laboratory	
CHE 140 & CHE 145	Introductory General Chemistry and Introductory General Chemistry Laboratory	
CHE 170 & CHE 175	General College Chemistry I and General College Chemistry Laboratory I	
Subtotal		26-27
Technical Core		
AGR 125	Introduction to Fertilizers and Soils	3
AGR 130	Field Applications in Agriculture	2
AGR 140	Issues In Agriculture	3
AGR 230	Career Development in Agriculture	3
AGR 240	Introduction to Animal Science	3
AGR 250	Introduction to Plants/Crop Production	3
Digital Literacy		3
Subtotal		20
General Education and Technical Core Subtotal		46-47
<i>Students must complete one of the tracks listed below to complete the AAS requirements.</i>		

Agriculture Business/Marketing Track

Offered at: Henderson Community College, Hopkinsville Community College, Madisonville Community College, Owensboro Community and Technical College

Program Plan Number: 010301705

Course	Title	Credits
Required		
General Education and Technical Core Subtotal		46-47
AGR 180	Agricultural Internship I	2
BAS 120	Personal Finance	3
Options		
Select one of the following two options:		9
<i>Option 1</i>		
ECO 201 & ECO 202 & BAS 160	Principles of Microeconomics and Principles of Macroeconomics and Introduction to Business	
<i>Option 2</i>		
AGR 175 & AGR 285 & AGR 265	Agriculture Marketing and Sales and Farm Financial Management and Agriculture Business and Records	
Two credit hours of Elective Coursework		
Total Credits		60-61

Agriculture Education Track

Offered at: Elizabethtown Community and Technical College, Henderson Community College, Hopkinsville Community College, Madisonville Community College

Program Plan Number: 010301706

Course	Title	Credits
Required		
General Education and Technical Core Subtotal		46-47
AGR 150 or AGR 160	Agricultural Power or Horticultural Science	3
AGR 180	Agricultural Internship I	2
EDU 201	Introduction to American Education	3
EDU 204	Technology In the Classroom	3
Electives		3
Total Credits		60-61

Agriculture Technology Track

Offered at: Elizabethtown Community and Technical College, Henderson Community College, Hopkinsville Community College, Madisonville Community College, Owensboro Community and Technical College

Program Plan Number: 010301707

Course	Title	Credits
Required		
General Education and Technical Core Subtotal		46-47
AGR 150	Agricultural Power	3
Select one of the following four options:		5
IMT 100 & IMT 101	Welding for Maintenance and Welding for Maintenance Lab	

WLD 120 & WLD 121	Shielded Metal Arc Welding and Shielded Metal Arc Welding Fillet Lab	
WLD 130 & WLD 131	Gas Tungsten Arc Welding and Gas Tungsten Arc Welding Fillet Lab	
WLD 140 & WLD 141	Gas Metal Arc Welding and Gas Metal Arc Welding Fillet Lab	
AGR 220	Computers In The Agricultural Environment	3
COE 199	Cooperative Education: (Topic)	3
Total Credits		60-61

Agronomy Track

Offered at: Henderson Community College, Hopkinsville Community College, Madisonville Community College, Owensboro Community and Technical College

Program Plan Number: 010301708

Course	Title	Credits
General Education and Technical Core Subtotal		46-47
AGR 135	Herbaceous Plant Production	3
AGR 215	Weed Management	3
AGR 245	Pest Management	3
AGR 180	Agricultural Internship I	2
Electives		3
Total Credits		60-61

Animal Science Track

Offered at: Hopkinsville Community College, Madisonville Community College

Program Plan Number: 010301711

Course	Title	Credits
General Education and Technical Core Subtotal		46-47
AGR 180	Agricultural Internship I	2
AGR 280	Livestock Management	3
AGR 290	Animal Nutrition	3
AGR 210	Applications in Animal Technology	3
Elective		3
Total Credits		60-61

Horticulture Track

Offered at: Henderson Community College, Madisonville Community College

Program Plan Number: 010301709

Course	Title	Credits
General Education and Technical Core Subtotal		46-47
AGR 160	Horticultural Science	3
AGR 180	Agricultural Internship I	2
AGR 135	Herbaceous Plant Production	3
AGR 155	Greenhouse Production	3
AGR 225	Fruit and Vegetable Production	3
Total Credits		60-61

Sustainable Agriculture Track

Offered at: Elizabethtown Community and Technical College, Henderson Community College, Madisonville Community College

Program Plan Number: 010301710

Course	Title	Credits
General Education and Technical Core Subtotal		46-47
AGR 160	Horticultural Science	3
AGR 180	Agricultural Internship I	2
AGR 260	Introduction to Sustainable Agriculture	3
AGR 270	Introduction to Organic Agriculture	3
Elective		3
Total Credits		60-61