



**KENTUCKY STATE UNIVERSITY**

# AGRICULTURE, FOOD AND THE ENVIRONMENT BACHELOR OF SCIENCE - ENVIRONMENTAL SYSTEMS TRACK

Course	Title	Hours
<b>Term 1 (Fall)</b>		
AFE 110	Agri., Food, & Envi. Lab	1
AFE 116	Intro Agriculture/Food/Environ	2
AFE 120	Principles of Agronomy	4
ENG 101	English Comp I	4
KSU 118	Intro. to University Learning	3
MAT 115	College Algebra	3
<b>Hours</b>		<b>17</b>
<b>Term 2 (Spring)</b>		
AFE 117	Global Perspect Ag/Food/Env	3
Select one of the following:		3
ART 130	Introduction to Art	
MUS 130	Introduction to Music	
THE 130	Introduction to Theatre	
ENG 211	Intro to Literature	
BIO 111	Principles of Biology	4
ENG 102	English Comp II	3
KSU 186	Navigate. the Tech. World	3
<b>Hours</b>		<b>16</b>
<b>Term 3 (Fall)</b>		
AFE 217	Plant Sci. & Horti. Principles	4
CHE 101	General Chemistry I	3
CHE 110	General Chem I Laboratory	1
ECO 201	Prin of Economics I	3
COM 103	Interpersonal Communication	3
Arts and Humanities Core Elective		3
<b>Hours</b>		<b>17</b>
<b>Term 4 (Spring)</b>		
AFE 211	Introduction to Animal Science	3
AQU 201	Fisheries & the Educ. Consumer	3
MAT 200	Intro to Stat Reasoning & Ana.	4
SOC 203	Principles of Sociology	3
Arts and Humanities Core Elective		3
<b>Hours</b>		<b>16</b>
<b>Term 5 (Fall)</b>		
AFE 450	Human Health/Environment	3
AFE 480	Intro to Geog Inform Syst	3
BIO 316 or BIO 417	Ecology or Ecological Field Meth	4
AFE Free Elective		3
<b>Hours</b>		<b>13</b>
<b>Term 6 (Spring)</b>		
AFE 311	Practicum I	2

AFE 340	Environmental Sci/Agroecology	3
AFE 366	Climate Change Studies	3
AFE Free Elective		3
Guided Elective		3
<b>Hours</b>		<b>14</b>
<b>Term 7 (Fall)</b>		
AFE 334	Soil Science	3
AFE 411	Practicum II	2
AFE Free Elective		3
Guided Elective		3
Guided Elective		3
<b>Hours</b>		<b>14</b>
<b>Term 8 (Spring)</b>		
AFE 401	AFE Seminar	1
AFE Free Elective		3
Guided Elective		3
Guided Elective		3
Guided Elective		3
<b>Hours</b>		<b>13</b>
<b>Total Hours</b>		<b>120</b>

## AFE Free Electives

Code	Title	Hours
AFE 215	Agribusiness Management	3
AFE 307	Animal Nutrition	3
AFE 309	Livestock Reproduction	3
AFE 366	Climate Change Studies	3
AFE 404	Nutrition and Metabolism	3
AFE 405	Res/Extension in Nutrition	3
AFE 407	Agroforestry:Local/Global Pers	3
AFE 415	Livestock Production Practices	3
AFE 416	Nutrition and Society	3
AFE 417	Modern Nutrition and Disease	3
AFE 425	Organic Crop & Livestock Prod	3
AFE 435	Urban Agriculture	3
AFE 442	Plant Propagation/Crop Prod Sy	3
AFE 443	Apiculture/Pollination Biology	3
AFE 455	Food Safety and Microbiology	3
AFE 465	Food Systems	3
AFE 485	Special Topics	3
AQU 422	Princ of Aquaculture	3

## Guided Track Electives

Code	Title	Hours
AFE 489	Remote Sensing of the Environ.	3
AQU 460	Water Quality Management	3
AQU 461	Water Quality Management Lab	1
BIO 417	Ecological Field Meth	4
COS 364	Data Storage and Data Mining	3