

# Agricultural Economics

College of Agriculture,  
Food and Environment

The Agricultural Economics program enables graduates to pursue careers in agribusiness and food industries, international marketing and trade, or farm management and production. Opportunities are also available in public policy for agriculture and rural America and environmental economics. These career opportunities may be found in both the private and public sectors. Economic theory is applied to problems concerning the production, marketing, and distribution of agricultural and food products and also to public policy and natural resource and environmental issues facing rural communities.

Agricultural Economics students choose one of two options – Option A: Agricultural Economics, and Option B: Agribusiness Management and Food Marketing.

## Graduation Requirements

To earn the Bachelor of Science in Agricultural Economics, the student must have a minimum of 120 credit hours with at least a 2.0 grade-point average in one of the two program options. A student must earn a minimum grade of C in each of the four agricultural economics courses required in the major. A minimum of 45 credit hours must be from upper division courses (300 and above). Remedial courses may **not** be counted toward the total hours required for the degree. In addition to UK Core requirements, students must complete college, departmental and support requirements.

## UK Core Requirements

See the *UK Core* section of the *2014-2015 Undergraduate Bulletin* for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

### I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list ..... 3

### II. Intellectual Inquiry in the Humanities

Choose one course from approved list ..... 3

### III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list ..... 3

### IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

Choose one course from approved list ..... 3

### V. Composition and Communication I

CIS/WRD 110 Composition and Communication I ..... 3

### VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II ..... 3

### VII. Quantitative Foundations

MA 123 Elementary Calculus and Its Applications  
or  
MA 113 Calculus I ..... 4

### VIII. Statistical Inferential Reasoning

Choose one course from approved list ..... 3

### IX. Community, Culture and Citizenship in the USA

GEN 100 Issues in Agriculture, Food and Environment ..... 3

### X. Global Dynamics

Choose one course from approved list ..... 3

**UK Core hours** ..... 31

## Graduation Composition and Communication Requirement (GCCR)

One of the following options:

### Option 1:

AEC 306 Food and Agricultural Marketing Principles (Writing Intensive) ..... 4  
AEC 399 Experiential Learning in Agricultural Economics ..... 3

### Option 2:

AEC 306 Food and Agricultural Marketing Principles (Writing Intensive) ..... 4  
AEC 396 International Studies in Agricultural Economics ..... 1

### Option 3:

AEC 395 Independent Research in Agriculture Economics ..... 1+

## Graduation Composition and Communication Requirement hours (GCCR)

..... 1-7

## OPTIONS

### Option A: Agricultural Economics

This option provides a program of study for students interested in careers in rural public policy analysis, rural economic development, natural resource and environmental economics, cooperative extension, or a more individualized program.

### Premajor Requirements

**Hours**

ECO 201 Principles of Economics I ..... 3  
ECO 202 Principles of Economics II ..... 3  
MA 113 Calculus I ..... 4

### OR

MA 123 Elementary Calculus and Its Applications  
and  
MA 162 Finite Mathematics and Its Applications ..... 7  
STA 291 Statistical Methods ..... 3  
ECO 391 Economic and Business Statistics ..... 3  
WRD 203 Business Writing ..... 3

**Subtotal: Premajor hours** ..... 19-22

### Major Requirements

**Hours**

**Notes:** Students must have a C or higher in ECO 201 to enroll in the core classes and a C or higher in ECO 201 and MA 123 to enroll in AEC 303. Students must receive a grade of C or better in each of the following four agricultural economics courses required for graduation:

AEC 302 Agricultural Management Principles ..... 4  
AEC 303 Microeconomic Concepts in Agricultural Economics ..... 3  
AEC 305 Food and Agricultural Marketing Principles ..... 3  
AEC 490 Quantitative Methods and Price Analysis ..... 3

**plus**, after completing AEC 302 or AEC 303 or AEC 305:

AEC 301 Career Readiness for Agricultural Economics ..... 1

**plus** one of the following:

AEC 395 Independent Research in Agricultural Economics  
AEC 396 International Studies in Agricultural Economics  
AEC 399 Experiential Learning in Agricultural Economics ..... 3

**plus** 12 additional hours in the major

(at least 3 hours at 400+ level) ..... 12

**Subtotal: Major hours** ..... 29

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University of Kentucky is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, masters, and doctorate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or online at [www.sacscoc.org](http://www.sacscoc.org) for questions about the accreditation of University of Kentucky.

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<b>Specialty Support</b>	<b>Hours</b>
ACC 201 Financial Accounting I .....	3
ACC 202 Managerial Uses of Accounting Information .....	3
<b>plus</b> 15 additional hours of courses at the 200 level or higher to fulfill the student's area of interest and selected with advisor's approval from the following departments: ACC, AEN, AN, ASC, BAE, COM, CS, ECO, ENT, FIN, FOR, MA, MGT, MKT, PLS, PS, PSY, SOC, VS .....	15
<b>Subtotal: Specialty Support hours</b> .....	<b>21</b>

## Electives

Electives should be selected by the student to lead to the minimum total of 120 hours required for graduation.

<b>Subtotal: Electives</b> .....	<b>minimum of 16</b>
<b>TOTAL HOURS:</b> .....	<b>120</b>

## Option B: Agribusiness Management and Food Marketing

A student in this option should be qualified for careers in marketing, sales, and management of farms or firms involved in production, financing, processing, marketing and distribution of food and agricultural products, depending on the electives chosen.

<b>Premajor Requirements</b>	<b>Hours</b>
CS 101 Introduction to Computing I .....	3
ECO 201 Principles of Economics I .....	3
ECO 202 Principles of Economics II .....	3
ECO 391 Economic and Business Statistics .....	3
MA 113 Calculus I .....	4
<b>or</b>	
MA 137 Calculus I With Life Science Applications .....	4
<b>or</b>	
MA 123/MA 162 Elementary Calculus and Its Applications/ Finite Mathematics and Its Applications .....	7
STA 291 Statistical Methods .....	3
WRD 203 Business Writing .....	3
<b>Subtotal: Premajor hours</b> .....	<b>22-25</b>

## Major Requirements

**Notes:** Students must have a C or higher in ECO 201 to enroll in the core classes and a C or higher in ECO 201 and MA 123 to enroll in AEC 303. Students must receive a grade of C or better in each of the following four agricultural economics courses required for graduation:

AEC 302 Agricultural Management Principles .....	4
AEC 303 Microeconomic Concepts in Agricultural Economics .....	3
AEC 305 Food and Agricultural Marketing Principles .....	3
AEC 422 Agribusiness Management .....	3
<b>plus</b> , after completing AEC 302 or AEC 303 or AEC 305: AEC 301 Career Readiness for Agricultural Economics .....	1
<b>plus</b> one of the following: AEC 395 Independent Research in Agricultural Economics AEC 396 International Studies in Agricultural Economics AEC 399 Experiential Learning in Agricultural Economics .....	3
<b>plus</b> 12 additional hours in the major (at least 3 hours at 400+ level) .....	12
<b>Subtotal: Major hours</b> .....	<b>29</b>

## Specialty Support

ACC 201 Financial Accounting I .....	3
ACC 202 Managerial Uses of Accounting Information .....	3
<b>plus</b> completion of the requirements of a minor in Business, plus 3 additional hours of courses at the 200 level or higher selected with advisor's approval from the following departments: ACC, AEN, AN, ASC, BAE, COM, CS, ECO, ENT, FIN, FOR, MA, MGT, MKT, PLS, PS, PSY, SOC, VS .....	15
<b>Subtotal: Specialty Support hours</b> .....	<b>21</b>

## Electives

Electives should be selected by the student to lead to the minimum total of 120 hours required for graduation.

<b>Subtotal: Electives</b> .....	<b>minimum of 14</b>
<b>TOTAL HOURS:</b> .....	<b>120</b>