

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 five 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 *2017-2018 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. NOTE: Students who enter/transfer into the College and have already satisfied the UK Core Community, Culture and Citizenship in the USA requirement are not required to take GEN 100.

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

ECO 101 Contemporary Economic Issues
or 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

STA 296 Statistical Methods and Motivations 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)

AEC 306 Technical Communication in Economics 2

Graduation Composition and Communication Requirement hours (GCCR)

..... **2**

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. NOTE: MA 113 or MA 123 satisfies the UK Core Quantitative Foundations requirement and STA 296 satisfies the UK Core Statistical Inferential Reasoning requirement. Students must earn a C or higher in MA 113 or MA 123 to take AEC 303 and a C or higher to take any AEC 300 level or higher course.

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 4

and

MA 162 Finite Mathematics and Its Applications 3

STA 296 Statistical Methods and Motivations 3

ECO 391 Economic and Business Statistics 3

Subtotal: Premajor hours **16-19**

Major Requirements

Hours

Notes: Students must receive a grade of **C** or better in AEC 302, AEC 303, AEC 305, AEC 306, and AEC 490 required for graduation. AEC 306 is both a GCCR requirement and a major requirement.

AEC 301 Career Readiness for Agricultural Economics 1

AEC 302 Agricultural Management Principles 4

AEC 303 Microeconomic Concepts in Agricultural Economics 3

AEC 305 Food and Agricultural Marketing Principles 3

AEC 306 Technical Communication in Economics 2

AEC 490 Quantitative Methods and Price Analysis 3

plus 9 hours at the 300 level 9

plus 3 hours at 400+ level 3

Subtotal: Major hours **28**

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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 for questions about the accreditation of University of Kentucky.

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Academic Enrichment Requirement Hours

choose one of the following:

AEC 395 Independent Research in Agricultural Economics	1-3
AEC 396 International Studies in Agricultural Economics	1
AEC 399 Experiential Learning in Agricultural Economics	1-3

Subtotal: Academic Enrichment hours **1-3**

Specialty Support Hours

ACC 201 Financial Accounting I	3
ACC 202 Managerial Uses of Accounting Information	3
plus 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 College of Agriculture, Food and Environment, the Gatton College of Business and Economics or the departments of COM, CS, GEO, MA, PS, PSY, SOC or STA	
15	

Subtotal: Specialty Support hours **21**

Electives

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

Subtotal: Electives **minimum of 16**

TOTAL HOURS: **120**

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. NOTE: MA 113 or MA 123 satisfies the UK Core Quantitative Foundations requirement and STA 296 satisfies the UK Core Statistical Inferential Reasoning requirement. Students must earn a C or higher in MA 113 or MA 123 to take AEC 303 and a C or higher to take any AEC 300 level or higher course.

Premajor Requirements Hours

CS 101 Introduction to Computing I	3
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	4
and	
MA 162 Finite Mathematics and Its Applications	3
STA 296 Statistical Methods and Motivations	3
ECO 391 Economic and Business Statistics	3

Subtotal: Premajor hours **19-22**

Major Requirements Hours

Notes: Students must receive a grade of C or better in AEC 302, AEC 303, AEC 305, AEC 306, and AEC 490 required for graduation. AEC 306 is both a GCCR requirement and a major requirement.

AEC 301 Career Readiness for Agricultural Economics	1
AEC 302 Agricultural Management Principles	4
AEC 303 Microeconomic Concepts in Agricultural Economics	3
AEC 305 Food and Agricultural Marketing Principles	3
AEC 306 Technical Communication in Economics	2
AEC 422 Agribusiness Management	3

plus 9 hours at the 300 level

plus 3 hours at 400+ level

Subtotal: Major hours **28**

Academic Enrichment Requirement Hours

choose one of the following:

AEC 395 Independent Research in Agricultural Economics	1-3
AEC 396 International Studies in Agricultural Economics	1
AEC 399 Experiential Learning in Agricultural Economics	1-3

Subtotal: Academic Enrichment hours **1-3**

Specialty Support Hours

ACC 201 Financial Accounting I	3
ACC 202 Managerial Uses of Accounting Information	3
AN 300 Analyzing Business Operations	3
FIN 300 Corporation Finance	3
MGT 301 Business Management	3
MKT 300 Marketing Management	3

plus 3 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 College of Agriculture, Food and Environment, the Gatton College of Business and Economics or the departments of COM, CS, GEO, MA, PS, PSY, SOC or STA

Subtotal: Specialty Support hours **21**

Electives

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

Subtotal: Electives **minimum of 14**

TOTAL HOURS: **120**