

## Career and Technical Education

## College of Agriculture, Food and Environment and School of Human Environmental Sciences

Students pursuing a degree in Career and Technical Education complete courses in education and agriculture. Graduates with this degree pursue careers in both formal and informal education of agriculture. Formal education opportunities include teaching in the middle school or high school classroom. Informal education opportunities include working in Extension and the public or private sectors of industry. In addition to receiving the degree, graduates attain Rank III teaching certification in Agricultural Education.

### Teacher Certification

Besides receiving the B.S. in Career and Technical Education, students completing the requirements obtain a letter of endorsement to teach agricultural education.

Requirements for teacher certification are as follows:

You must be admitted to the teacher education program (TEP) after you have completed, or complete during the semester in which you apply, 60 semester hours of course work and AED/FCS 110 Introduction to Career and Technical Education and have at least a **2.75** grade-point standing (on a 4.0 scale). See a full description of "Admission, Retention, and Completion from Teacher Education Programs" in the *College of Education* section of the *2013-2014 Undergraduate Bulletin*.

Applicants are evaluated on an interview, recommendations, scholastic achievement, demonstrated skills, and professional commitment and goals. A student's progress is continuously monitored, assessed, and reviewed throughout the teacher education program as described in the Teacher Education Programs section of this Bulletin. You must successfully complete assessment items and portfolio items as required. Further, you must successfully complete the Principles of Learning and Teaching Exam and a professional exam, scoring above cutoff scores specified by the State Board of Education for each exam. After completing these exams, students hired by Kentucky schools will complete a one-year paid internship as a first-year teacher and will be evaluated at least three times by a three-person committee before certification is completed.

**Note:** Because graduation and teacher certification requirements change frequently, students should obtain more complete information from their advisors.

### Graduation Requirements

To earn the Bachelor of Science in Career and Technical Education, the student must have a minimum of 120 credit hours with at least a **2.75** grade-point average (required for Teacher Certification). A minimum of 45 credit hours must be from upper division courses (300 level and above). Remedial courses may **not** be counted toward the total hours required for the degree.

### Plan of Study

As a career and technical education major you are required to develop an acceptable **Plan of Study** during your sophomore year for your junior and senior years. The plan must be signed by your advisor and returned to the Office of Academic Programs.

If you are an upper division transfer student (from another university or from another UK college or department) then you will submit your plan during the first semester you are enrolled in the program.

Students must complete the following:

### College Required Hours

\*GEN 100 Issues in Agriculture ..... 3

*\*Required for all first semester Freshmen. Students who transfer into the College and have already completed the UK Core U.S. Citizenship requirement are not required to take GEN 100.*

**Subtotal: School Required hours** ..... 3

### UK Core Requirements

See the *UK Core* section of the *2013-2014 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

CLD 102 The Dynamics of Rural Social Life ..... 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

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

#### VIII. Statistical Inferential Reasoning

STA 210 Making Sense of Uncertainty:  
An Introduction to Statistical Reasoning ..... 3

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

GEN 100 Issues in Agriculture ..... 3

#### X. Global Dynamics

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

**UK Core hours** ..... 30

### Graduation Writing Requirement

After attaining sophomore status, students must complete a Graduation Writing Requirement course. Please see your academic advisor for courses that meet this requirement.

**Graduation Writing Requirement hours** ..... 3

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<b>Major Requirements</b>	<b>Hours</b>
AED/FCS 110 Introduction to Career and Technical Education .....	3
AED/FCS 362 Field Experiences in Career and Technical Education .....	3
AED/FCS 371 Advising a Career and Technical Student Organization .....	3
AED/FCS 580 Foundations of Teaching Career and Technical Education .....	3
AED/FCS 583 Designing Curriculum and Assessment in Career and Technical Education .....	3
AED/FCS 586 Methods of Teaching Career and Technical Education .....	3
AED/FCS 592 Teaching Experience in Career and Technical Education .....	12
EDP 203 Teaching Exceptional Learners in Regular Classrooms .....	3
FAM 357 Adolescent Development .....	3
<b>Subtotal: Major hours</b> .....	<b>36</b>

<b>Agricultural Education Requirements</b>	<b>Hours</b>
*AEC 302 Agricultural Management Principles .....	4
AEN 252 Farm Shop .....	3
ASC 101 Domestic Animal Biology .....	3
ASC 102 Applications of Animal Science .....	3
CLD 102 The Dynamics of Rural Social Life (or other Social Science elective) .....	3
ECO 201 Principles of Economics I .....	3
PLS 210 The Life Processes of Plants <b>or</b>	
PLS 386 Plant Production Systems .....	3-4
**PLS 366 Fundamentals of Soil Science .....	4
<b>Subtotal: Agricultural Education hours</b> .....	<b>26-27</b>
<i>*ECO 201 is a prerequisite for AEC 302.</i>	
<i>**CHE 105 is a prerequisite for PLS 366.</i>	

## Specialty Support Requirements

Students must complete one additional agricultural economics course, one additional animal sciences course, one additional agricultural engineering course, two additional plant and soil sciences courses, and three additional courses in the College of Agriculture, Food and Environment in consultation with your advisor.

**Subtotal: Specialty Support hours** ..... **24**

Other agriculture majors can also qualify to teach agricultural education provided they meet current certification requirements.

## Electives

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

**Subtotal: Electives** ..... **minimum of 7**

**Total Minimum Hours for Program** ..... **120**