

# Career and Technical Education

# College of Agriculture, Food and Environment

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 *2015-2016 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.

## UK Core Requirements

See the *UK Core* section of the *2015-2016 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, Food and Environment ..... 3

### X. Global Dynamics

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

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

## Graduation Composition and Communication Requirement (GCCR)

AED/FCS 583 Designing Curriculum and  
Assessment in Career and Technical Education ..... 3

## Graduation Composition and Communication Requirement hours (GCCR) ..... 3

## Major Requirements

## Hours

|  |           |
|--|-----------|
| 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 (Satisfies CAFE AEE) | 12        |
| EDP 203 Teaching Exceptional Learners in Regular Classrooms                            | 3         |
| FAM 357 Adolescent Development   | 3         |
| <b>Subtotal: Major hours</b>   | <b>36</b> |

## Agricultural Education Requirements

## Hours

|  |   |
|--|---|
| *AEC 302 Agricultural Management Principles                                  | 4 |
| AEN 252 Fabrication and Construction for Technical Systems                   | 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 |

–CONTINUED–

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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|   |              |
|---|--------------|
| PLS 210 The Life Processes of Plants<br><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> |

*\*ECO 201 is a prerequisite for AEC 302.*  
*\*\*CHE 105 is a prerequisite for PLS 366.*

## 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