



Career and Technical Education

College of Agriculture
and School of Human
Environmental Sciences

The Career and Technical Education degree involves Agricultural Education and Family and Consumer Sciences Education. Students take courses in technical education and professional content.

Graduates of this degree pursue careers in both formal and informal education of agriculture or family and consumer sciences. 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.

Students choose one of two options – Option A: Agricultural Education; or Option B: Family and Consumer Sciences Education. In addition to receiving the degree, graduates also attain Rank III teaching certification in Agricultural Education (Option A) or a Rank III teaching certification in Family and Consumer Sciences Education (Option B).

Both options lead to the Bachelor of Science in Career and Technical Education.

Teacher Certification

Besides receiving the B.S. in Agriculture students completing the requirements can obtain a letter of endorsement to teach agricultural education. Requirements for teacher certification are as follows:

To be certified you must be admitted to the teacher education program (TEP). To be admitted, you must have completed, or complete during the semester in which you apply, 60 semester hours of course work and AED 210 Introduction to Career and Technical Education and have at least a 2.5 grade-point standing (on a 4.0 scale).

Applicants are evaluated on an interview, recommendations, scholastic achievement, demonstrated skills, and professional commitment and goals. In addition, you must have three years of agricultural experience since the age of 14.

You must also complete at least 50 hours in agriculture courses, including six hours in each of the following areas: animal sciences, plant sciences, soils, agricultural engineering, and agricultural economics (including Farm Management or Agribusiness Management). A professional education component is also required.

You must successfully complete assessment items and portfolio items as required. Further, you must successfully complete the three basic sections of the PRAXIS Exam and a technical agriculture 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.

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

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 2.5 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

Agricultural Education option students complete the following:	
GEN 100 Issues in Agriculture	3
Family and Consumer Sciences Education option students complete the following:	
HES 100 An Introduction to Professions in Human Environmental Sciences	1
HES 400 Concepts in Human Environmental Sciences: Integration and Application	2
Subtotal: College Required Hours	3

University Studies Requirements

See “University Studies Program” on pages 83-87 of the 2009-2010 *UK Bulletin* for the complete University Studies requirements. Students should work closely with their advisor to complete the University Studies Program requirements.

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 590 Teaching Experience in Career and Technical Education	12
EDP 203 Teaching Exceptional Learners in Classrooms	3
FAM 357 Contemporary Adolescence	3

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Oral Communication for Family and Consumer Sciences Education Option

COM 181 Basic Public Speaking	
or	
COM 252 Introduction to Interpersonal Communication	3
Subtotal: Major-Required Hours	36-39

In addition to the Major Requirements, students choose **one** of two options.

OPTIONS

Option A: Agricultural Education

Option Requirements	Hours
*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	
or	
PLS 386 Plant Production Systems	3-4
**PLS 366 Fundamentals of Soil Science	4
Subtotal: Option A Hours	26-27

*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 in consultation with your advisor.

Subtotal: Option A Specialty Support 24

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

Option B: Family and Consumer Sciences Education

Option Requirements	Hours
FAM 251 Personal and Family Finance	3
*FAM 252 Introduction to Family Science	3
*FAM 253 Human Sexuality: Development, Behavior and Attitudes	3
IEC 255 Child Development	3
IEC 256 Guidance Strategies for Working with Young Children	3
FCS 350 Design Issues for Family and Consumer Sciences Educators	3
MAT 120 Textiles for Consumers	3
NFS 101 Human Nutrition and Wellness	3
NFS 241 Food Service Sanitation	1
NFS 302 Principles of Food Preparation	3
*PSY 100 Introduction to Psychology	4
Subtotal: Option B Hours	32

*Course can also be used to satisfy University Studies Program requirements.

Specialty Support Requirements

In consultation with their advisor, select **five** courses from the following list:

CLD 401 Principles of Cooperative Extension	3
FAM 360 Introduction to Family Intervention: Working with Families and Individuals	3
FAM 473 Family Life Education	3
FAM 544 Cultural Diversity in American Children and Families	3
FAM 553 Parent-Child Relationships Across the Lifecycle	3
FAM 554 Working with Parents	3
FAM 563 Families, Legislation and Public Policy	3
Subtotal: Option B Specialty Support	15

Electives

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

Total Minimum Hours for Program 120