



Department of Agriculture
School of Applied Sciences and Technology
College of Business & Technology (2019-2020)

Career & Technical Education (B.S.)

Ag Education / Teaching Option

Offered in cooperation with the Department of Applied Engineering and Technology. This curriculum entails all requirements necessary for teacher certification for agriculture education.

Career & Technical Education at EKU

EKU has had teacher preparation programs for Career and Technical Education since the Department's historical beginning. Programs available for those who plan to teach and those who are presently teaching many technical subject areas include Agricultural Education, Technical Education, Engineering/Technology Education and Occupational Training and Development. The technical teacher education programs are accredited by the Council for the Accreditation of Educator Preparation (CAEP). EKU has one of the largest and most comprehensive technical education programs in the State.

Career & Technical Education Careers

The Bachelor of Science Degree in Career and Technical Education prepares teachers for positions in technical education specialty areas such as agriculture, construction, manufacturing, transportation and information technologies. A 15-credit hour Endorsement for teaching computer technology is also available through the B.S. Degree in Career and Technical Education. The Engineering/Technology Education option is a unique, high-demand program that prepares teachers for middle schools and high schools -- an enjoyable teaching area that has many employment opportunities in Kentucky and other nearby states. Most Central and Southeastern Kentucky school systems employ technical teachers who are Department alumni.

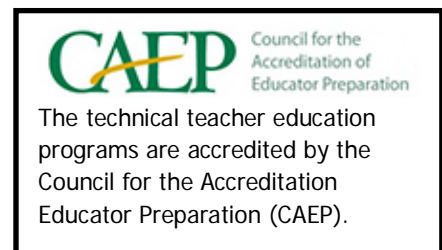
EKU also has a Certification Program and Associate of Science Degree in Career and Technical Education that is offered in conjunction with the Kentucky Department for Technical Education. These programs are for teachers of many technical programs, including electronics, health science, carpentry, welding, computer technology, industrial maintenance, and other high-tech areas, primarily in Central and Southeastern Kentucky.

Potential Job Opportunities with a B.S. in Career & Technical Education / AG Education

After completion of this preparatory program students are required to complete state certification requirements including student teaching at one of the state universities which has been authorized to certify career and technical education teachers. Career opportunities are within the secondary school systems throughout the Commonwealth of Kentucky which offer vocational agriculture and horticulture training for high school level students. Opportunities also exist within secondary school systems in surrounding states. Starting salaries vary between school districts and from state to state. Starting salaries in Kentucky range from \$40,500 to \$46,000.

For More Information

Department of Agriculture
A.B. Carter Building
Eastern Kentucky University
521 Lancaster Avenue
Richmond, KY 40475-3102
859-622-2228
Web: www.agriculture.eku.edu
Email: mike.mcdermott@eku.edu





**Suggested Curriculum Guide for Career and Technical Education (Teaching),
 Agriculture Education Option**

Freshman (1st Semester) 15 hrs

BTO 100** Orientation (1 hr)
AGR 125 Principles of Animal Science
AGR 126 Animal Science Lab (1 hr)
OHO 131 Principles of Horticulture
OHO 132 Horticulture Lab (1 hr)
E-1A ENG 101 English I
E-2 MAT 114 (or higher) College Algebra

Sophomore (1st Semester) 17 hrs

AGR 308 Agribusiness
E-4A BIO 111 or 112 Principles of Biology (4 hrs)
E-4B Natural Science
E-3B Humanities
E-5A History

Junior (1st Semester) 16.5 hrs

AGR Ag Systems elective
AGR/OHO Elective* (1 hr)
CTE 361 Course Materials in Tech. Ed.
EMS 300W, EDC 300, CED 300, (4.5 hrs) must be taken as a block

Senior (1st Semester) 16 hrs

ESE 552 Secondary Career Ed
CED 450 (1 hr)
CTE 363 Evaluation in Career Tech Ed
E-3A Arts
AGR Agribusiness elective
AGR Agronomy elective

Freshman (2nd Semester) 15 hrs

SED 104
AGR 213 Agricultural Mechanics (3 hrs)
E-1B ENG 102 English II
E-5B ECO 120 Economic Reasoning & Issues
CTE 262 Foundations of Career & Tech. Ed.
EDF 310, CED 150 must be taken with CTE 262

Sophomore (2nd Semester) 16 hrs

AGR 215 Soils
AGR 216 Soils Lab (1 hr)
AGR Animal Science elective
EDF 219 Human Development
CED 200 Learner Development
E-1C CMS 100 Communication

Junior (2nd Semester) 14.5 hrs

AGR 304 Pest Management (4 hrs)
AGR 305 Professional Skills Seminar (1 hr)
AGR Plant Science elective
E-6 Diversity
EMS 490, EDF 413, CED 400, (3.5 hrs) must be taken as a block

Senior (2nd Semester) 12 hrs

CED 499 Student Teaching (9 hrs)
EMS 474
BTS 400 College to Careers Seminar (0 credit)**

*Agriculture electives can be either AGR or OHO courses but must be upper division (>300). EKU requires a minimum of 120 cr hrs with at least 42 hrs being upper division. Certification for Teacher Education may require more than 120 hrs.

**Course must be taken in semester indicated.

SUGGESTED ELECTIVE COURSES IN AGRICULTURE EDUCATION: **AGR 312** Advanced Crops: Forages; **AGR 340** Conservation of Agricultural Resources; **AGR 383** Diesel Power Systems; **AGR 327** Beef Production; **AGR 409** Ag Records; **OHO 385** Production of Foliage Plants; **AGR 345** Sustainable Agroecosystems; **OHO 373** Fruit and Vegetable Production; Soil Water Relationships.

UNIVERSITY GRADUATION REQUIREMENTS

General Education 36 hrs
 Orientation Course (waived for transfers with 30+ hrs.) 1 hr
 Total Hours University Graduation Requirements 37 hrs

College Requirements:

AGR 305 (1 hr) and **BTS 400** (CR only, no hrs) 1 hr

Major Requirements 44 hrs

Animal Science **AGR 125, 126** and one class from **AGR 321, 327, 328** or **380**; Agricultural Systems Management **AGR 213** and one class from **AGR 311, 362** or **383**; Soil Science **AGR 215** and one class from **AGR 315, 317,** or **318**; Plant Science **AGR 130, 131** or **OHO 131, 132** and one class from **AGR 312, 417** and **OHO 384** or **385**; Agriculture Business **AGR 308** and one class from **AGR 310, 350, 409** or **440**. **AGR 304, 305** plus Agriculture or Horticulture electives to make 44 credit hours selected in consultation with your advisor.

Professional Education Core 39.5 hrs

CTE 262, 361, 363, CED 150(.5), 200(0), 300(.5), 400(.5), 450(1), 499 (9); EDF 204(2), 219, 310 (1), 413(2); EDC 300; EMS 300W(1), 474, 490(1); ESE 552; SED 104.

Total Curriculum Requirements 121.5 hrs